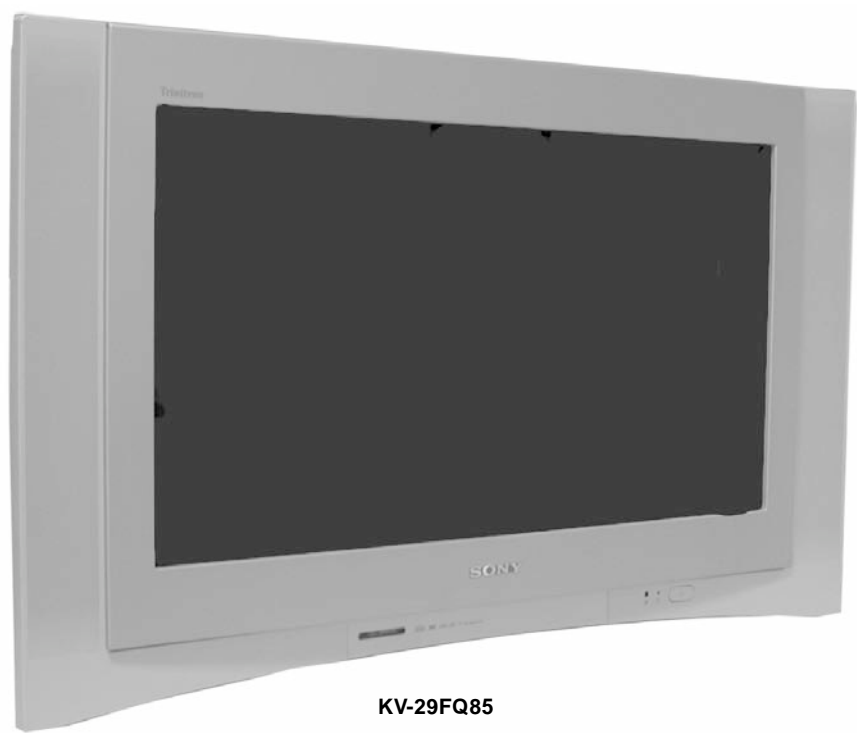


SERVICE MANUAL

AE-6BAD/Y CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-29FQ85E	RM-943	ESP	SCC-Q81T-A	KV-29FQ85K	RM-943	OIRT	SCC-Q82L-A

FD Trinitron



KV-29FQ85



RM-943

TRINITRON[®] COLOR TV
SONY[®]

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SECURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDiqué DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

CAUTION

Lead Free Soldered Boards

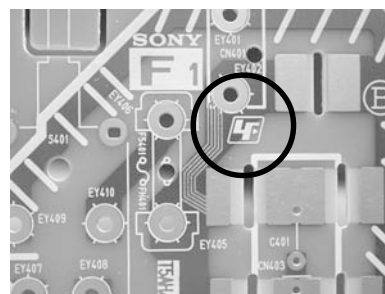
The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



Table 1

Board	Function
A	Audio, Deflection, Tuner, Regulators, Interface
B	Backend, Scanrate, LVDS, A_ Interface
C	R, G, B Out
D	Deflection
F1	Power Switch/Fuse/SIRCS/Standby LED
G	Power Supply
H1	Front AV Input/Headphone and Control Switches
J	AV Scart I/O Switching and Sockets
VM	Velocity Modulation

example 1



example 2



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

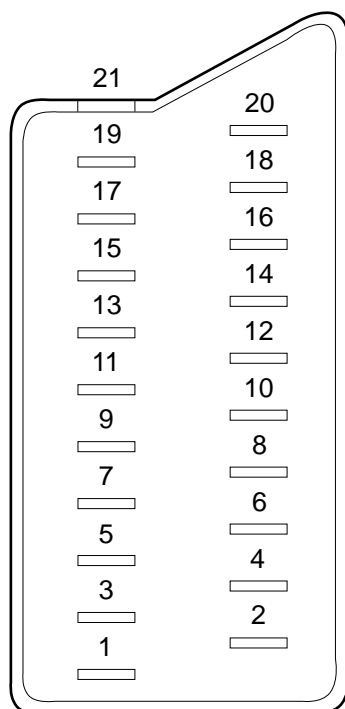
For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
E	B/G/H,D/K,I,L	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03, F02-F10, B-Q UHF : E21-E69, F21-F69, B21-B69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
K	B/G/H,D/K,I,L	GERMAN/NICAM Stereo	VHF : E2-E12, R1-R12, S01-S03 UHF : E21-E69, R21-R69 CABLE TV : S01-S20 HYPER : S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

Picture Tube	Flat Display FD Trinitron Approx 73 cm (29 inches) (Approx 68 cm picture measured diagonally)	Sound output	
		Right and Left speaker	2x20W (Music Power) 2x10W (RMS)
		Sub Woofer	1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [REAR]		General Specifications	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption	135W
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals. (Monitor Out)	Dimensions	Approx 789 x 605 x 521mm
		Weight	Approx 51kg
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Supplied Accessories	RM-943 Remote Commander (1) IEC designated R6 battery (2)
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	100 Hz picture, DNR, Auto Noise Reduction, PAP, Teletext, Smartlink, BBE, Virtual Dolby
Input/Output Terminals [FRONT]		Remote Control System : Infrared Control	
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Audio inputs	phono jacks		
Video inputs	phono jacks		
S Video input	4 pin DIN		
Design and specifications are subject to change without notice.			

Model Name		
Item	KV-29FQ85E	KV-29FQ85K
Pal Comb	OFF	OFF
PIP	OFF	OFF
RGB Priority	ON	ON
Woofer Box	ON	ON
Scart 1	ON	ON
Scart 2	ON	ON
Scart 3	ON	ON
Front in (4)	ON	ON
Projector	OFF	OFF
Norm B/G	ON	ON
Norm I	OFF	OFF
Norm D/K	ON	ON
Norm AUS	OFF	OFF
Norm L	OFF	OFF
Norm SAT	OFF	OFF
Norm M	OFF	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

21 pin connector



Pin No	1	2	3	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedance : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedance : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedance : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected



Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Front Connection Panel



S-Video socket

S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V +/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V +/- 3dB 75ohm, positive Sync.

AE-6BAD/Y SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-6BAD/Y chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method. Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
Over Voltage Protection	03
No Vertical Sync	04
IKR Error at power on	05
IIC bus clock and/or data lines low at power on	06
NVM no IIC bus acknowledge at power on	07
Horizontal Protection	08
Tuner no acknowledge at power on	09
Sound Processor Error	10
Reserved	11
Scanrate Error	12
DAC Error	13
Backend Error	14
Dynamic Convergence Error	15
PIP Error	16

Flash Timing Example : e.g. error number 3



How to enter into Table 2

1. Turn on the main power switch of the TV set.
2. Program Remote Commander for Operation in Service Mode. [See Page 21].
3. Press 'AUX/VIDEO' 'AUX/VIDEO' > 'MENU' on the Remote Commander.
4. Using the Remote Commander, Scroll to the 'Error' item using the down arrow key, then press the right arrow key.
5. The following table will be displayed indicating the error count.



Table 2

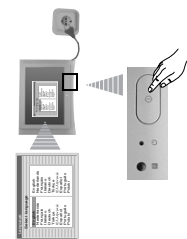
Error monitor		
WORKING TIME:	(Hours:Minutes)	82:33
Error counters:		
E02: OCP		0
E03: OVP		0
E04: NO V SYNC		0
E05: IKR		0
E06: IIC		0
E07: NVM		0
E08: H PROT		0
E09: TUNER		0
E10: SOUND		0
E11: 9 VOLTS		0
E12: SCANRATE		0
E13: 3DCOMB		0
E14: BACKEND		0
E15: DYNCON		0
E16: HIGH VOLTAGE		0
E17: AVSWITCH		0
E18: CHROMA DEC		0
E19: FRCA		0
E20: PJ ENG		0
E21: DAC		0
E24: SPEAKER PROT		0
E25: MEMORY STICK		0
Select: ▲ ▼ Previous Menu: ◀		


Note: To clear the error count data press '80' on the Remote commander.

The operating instructions mentioned here are partial abstracts from the 'Operating Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain as in the manual.




Switching On the TV and Automatically Tuning

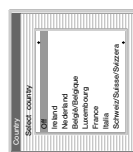
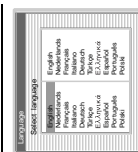
- 1** The first time you switch on your TV, a sequence of menu screens appear on the TV enabling you to: 1) choose the language of the menu screen 2) Choose the country in which you are going to operate the TV, 3) adjust the picture slant, 4) check how to connect optional equipment to your TV, 5) search and store all available channels (TV Broadcast) and 6) change the order in which the channels (TV Broadcast) appear on the screen. However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the  (Set Up menu) or by pressing the Auto Start Up Button  on the TV set.





- 1** Connect the TV plug to the mains socket (220-240V AC, 50Hz). The first time that the TV set is connected, it is usually turned on. If the TV is off, press the  on/off button on the TV set to turn on the TV.
The first time you switch on the TV, a **Language** menu displays automatically on the TV screen.







- 2** Press the ,  or  buttons on the remote control to select your language, then press the **OK** button to confirm your selection. From now on all the menus will appear in your chosen language.



- 3** The **Country** menu appears automatically. Press the  or  button to select the country in which you are using the TV. Press the **OK** button to confirm your selection.

- 1** If the country in which you want to use the TV set does not appear in the list, select "off" instead of a country.
• To avoid wrong teletext characters for Cyrillic languages we recommend selecting Russia country if your own country does not appear in the list.

- 4** Because of the earth's magnetism, the picture might slant. The **Picture Rotation** menu allows you to correct the picture slant if it is necessary.

- a)** If it is not necessary, press **OK** to select **Not necessary**.
b) If it is necessary, press  or  to select **Adjust now**, then press **OK** and correct any slant of the picture between -5 and +5 by pressing  or . Finally press **OK** to store.



continued...

SECTION 1 GENERAL

- 5** A diagram will appear showing you how to connect a wide range of equipment to your TV set. Follow the instructions and finally press the **OK** button to remove the picture and continue the automatic process.



- A** After the automatic tuning process has finished and the optional equipment has been connected at this stage, we recommend you follow the instructions explained on the section 'Connection Guide' on page 15 to get the optimum settings related with the optional equipment.



- 6** The **Auto Tuning** menu appears on the screen. Press the **OK** button to select **Yes**.



- 7** The TV starts to automatically search and store all available broadcast channels for you.



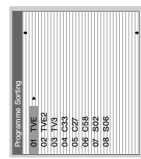
- A** This procedure could take some minutes. Please be patient and do not press any buttons, otherwise automatic tuning will not be completed.

- 1** In some countries the TV Broadcaster installs the channels automatically (ACI system). In this case, the TV Broadcaster sends a menu in which you can select your city by pressing the  or  button and **OK** to store the channels.

- A** If no channels were found during the auto tune process, a message appears automatically on the screen asking you to connect the aerial. Check the aerial connection (refer to page 7). Press the **OK** button to restart the auto tuning process.








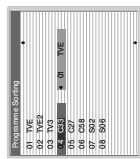
- 8** After all available channels are captured and stored, the **Programme Sorting** menu automatically appears on the screen enabling you to change the order in which the channels are stored.




- a)** If you wish to keep the broadcast channels in the tuned order, go to step 9.

- b)** If you wish to store the channels in a different order:

- 1** Press the  or  button to select the programme number with the channel (TV Broadcast) you wish to move. Press the  button.
- 2** Press the  or  button to select the new programme number position for your selected channel (TV Broadcast). Press the **OK** button to store.
- 3** Repeat steps b) 1 and b) 2 if you wish to change the order of the other channels.






- 9** Press the **MENU** button to remove the menu from the screen

 Your TV is now ready for use

Introducing and Using the Menu System

i Your TV uses an On-Screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:



1 To switch on the menu screens:

Press the MENU button to switch the first level menu on.

2 To navigate through the menus:

- To highlight and select the desired menu or option, press **↵** or **▲**.
- To enter the selected menu or option, press **OK** or **↵**.
- To return to the last menu or option, press **OK** or **↵**.
- To alter the settings of your selected option, press **↵/▲/▼** or **↵/◀/▶**.
- To confirm and store your selection, press **OK**.

3 To switch off the menu screens:

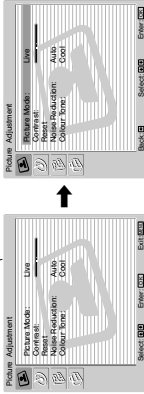
Press the MENU button to remove the menu from the screen.

The Picture Adjustment Menu

i The "Picture Adjustment" menu allows you to alter the picture settings.

To do this:

Press the MENU button and then press **OK** to enter this menu. Next press **↵** or **▲** to select the desired option and press **OK**. Finally read below how to operate into each option.



Picture Mode This option allows you to customise the Picture Mode based on the programme you are watching. After selecting this option press **OK**. Next press repeatedly **↵** or **▲** to select:

- Personal** (for individual settings).
- Live** (for live broadcast programmes, DVD and Digital Set Top Box receivers)
- Movie** (for films).

Once you have selected your desired option, press **OK** to store.

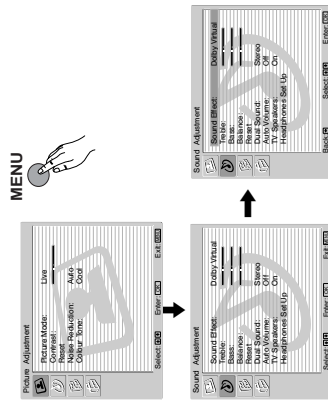
i "Brightness", "Colour" and "Sharpness" level of "Live" and "Movie" mode are fixed on the factory to get the best picture quality.

Contrast	Press ↵ or ▶ to reduce or enhance picture contrast. Next press OK to store.
Brightness	Press ↵ or ▶ to darken or brighten the picture. Next press OK to store.
A	This option only appears and only can be altered if "Picture Mode" is set to "Personal".
Colour	Press ↵ or ▶ to decrease or to increase color intensity. Next press OK to store.
A	This option only appears and only can be altered if "Picture Mode" is set to "Personal".
Hue	Press ↵ or ▶ to decrease or to increase the green tones. Next press OK to store.
A	This option only appears for NTSC signal (e.g. USA video tapes).
Sharpness	Press ↵ or ▶ to soften or to sharpen the picture. Next press OK to store.
A	This option only appears and only can be altered if "Picture Mode" is set to "Personal".
Reset	Press OK to reset the picture to the factory preset levels.
Noise Reduction	This option is set to Auto to automatically reduce the snowy picture visible in the broadcast signal. However, it can be modified by pressing ↵ or ▲ to select Off , Low , Mid or High . Finally press OK to store.

Colour Tone This option allows you to alter the tint of the picture. After selecting this option press **↵**. Next press repeatedly **↵** or **▲** to select: **Warm** (gives the white colours a red tint), **Normal** (gives the white colours a neutral tint), **Cold** (gives the white colours a blue tint). Next press **OK** to store.



The Sound Adjustment Menu



The "Sound Adjustment" menu allows you to adjust the sound settings.

To do this:

Press the MENU button and press **Down** to select **Sound**, then press **OK** to enter this menu. Next press **Down** or **Up** to select the desired option and press **OK**. Finally read below how to operate into each option.

Sound Effect

This option allows you to customise the Sound Effect. After selecting this option press **OK**. Next press repeatedly **Down** or **Up** to select:

- Off** (Flat response).
- Natural** (Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"***).
- Dynamic** ("BBE High Definition Sound system"*** intensifies clarity and presence of sound for better intelligibility and musical realism).
- Dolby**** (Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Virtual Logic").

Once you have selected your desired option, press **OK** to store.

Treble

Press **Left** or **Right** to decrease higher-frequency sounds. Next press **OK** to store.

Bass

Press **Left** or **Right** to decrease or to increase the lower-frequency sounds. Next press **OK** to store.

Balance

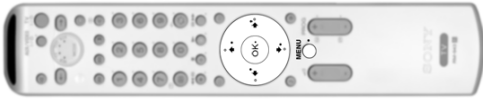
Press **Left** or **Right** to emphasise the left or the right speaker. Next press **OK** to store.

Reset

Press **OK** to reset the sound to the factory preset levels. Next press **OK** to store.

Dual Sound

- For a Stereo broadcast:
 - Press **Down** or **Up** to select **Stereo** or **Mono**. Next press **OK** to store.
- For a bilingual broadcast:
 - Press **Down** or **Up** to select **Mono** (for mono channel if available), **A** (for channel 1) or **B** (for channel 2). Next press **OK** to store.



Auto Volume Press **Down** or **Up** to select **On** (the volume level of the channels will stay the same, independent of the broadcast signal, e.g. in the case of advertisements) or **Off** (the volume level changes according to the broadcast signal). Next press **OK** to store. If you select "Dolby Virtual" on the "Sound Effect" option, the "Auto Volume" option will automatically be switched to "Off" and vice versa.

TV Speakers This option allows you to select if you want to listen the TV from the TV speakers or from an external amplifier connected to the audio outputs on the rear of the TV. After selecting this option, press **OK**. Next press repeatedly **Down** or **Up** to select:

On

(to listen the TV from the TV set speakers).

One time off

(to listen to the TV from the external amplifier only one time. By using this option, any time the TV is turned off/on, it returns to the default setting "On").

Permanent off

(to always listen to the TV from external amplifier).

Once you have selected your desired option, press **OK** to store.

If you have selected "One time off" or "Permanent off", the volume of the external equipment can also be altered by pressing the **Left** +/- buttons of the remote control. When the volume buttons are pressed, the symbol **dB** will appear indicating that the volume you are altering is not the volume of the TV set speakers, it is from the external equipment.

Headphones Set Up

This option allows you to customise the headphones volume and the PAP settings (refer to page 19 for details on PAP).

After selecting this option press **OK**. Next press repeatedly **Down** or **Up** to select:

Volume

Press **Left** or **Right** to decrease or increase the volume level from the headphones.

Dual Sound

- For a Stereo broadcast:
 - Press **Down** or **Up** to select **Stereo** or **Mono**
- For a bilingual broadcast:
 - Press **Down** or **Up** to select **Mono** (for mono channel if available), **A** (for channel 1) or **B** (for channel 2).

PAP Sound

Select **Frame** if you want to listen to the active screen (framed) of the PAP screen (see page 19), select **Left picture** if you want to listen to the left screen or select **Right picture** if you want to listen to the right screen.

* The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and BBE Symbol are trademarks of BBE Sound, Inc.

** This TV has been designed to create surround sound effect by simulating the sound of four speakers with two speakers, when the broadcast audio signal is Dolby Surround encoded. The sound effect can also be improved by connecting a suitable external amplifier (for details refer to page 23).



** Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol **DD** are trademarks of Dolby Laboratories.

continued...


PAP (PICTURE AND PICTURE)



 PAP divides the screen into two for watching two pictures in format 4:3 simultaneously.

Switching PAP on and off


- 1 Press  to display PAP.
- 2 Press  again to remove PAP.



 One of the screens will be framed to indicate that this is the active screen. It means that when you want to select the PAP source, you will be doing it in the active screen.



 On the screen appears a banner guiding you how to operate PAP. This banner will disappear after some seconds but it always can be displayed again by pressing the  button.


Selecting PAP source

- 1 **Selecting a TV channel:**
Press the  button to select the left screen as the active screen. Next press the number buttons or **PROG +/-** to select a TV channel.



 Video input signals can not be displayed on the left screen.

- 2 **Selecting an input source:**

Press the  button to select the right screen. Next press repeatedly the  button to watch the input signal of a connected equipment onto the TV right screen. For more details on which input symbol you want to choose, please see section "Viewing pictures from equipment connected to the TV" on page 23.

 RF signal (TV broadcast channels) can not be displayed on the right screen.

Changing the active screen

To change the active screen (framed), press the  or  buttons.


Selecting the sound

The sound of the active screen (framed) always comes from the TV set loudspeakers. Besides that, you can listen to the active screen as well as the non active screen via headphones.

To do this:

With the PAP switched on, refer to the section "The Sound Adjustment Menu". select "Headphones Set Up" and set the option "PAP Sound" according your preference. For details see page 13.



Teletext

 Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

 Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.



To switch on Teletext :

- 1 Select the broadcast channel which carries the teletext service you wish to view.
- 2 Press the  button one time to enter Picture and Text (P&T) mode. The screen is divided into two with the Text display on the left and the TV channel in the right corner.
- 3 If you wish to view the Text in full screen mode, press the  button a second time.




To select a Teletext page:

Input 3 digits for the page number, using the numbered buttons. If you make a mistake, retype the correct page number. If the counter on the screen continues searching, it is because the page is not available. If this is the case, input another page number.


To access the next or preceding page:

Press PROG + () or PROG - ()



To freeze a teletext page:

Press . Press it again to cancel the freeze.

To reveal concealed information (e.g: answer to a quiz):

Press . Press it again to conceal the information.


To select a sub page:

A teletext page may consist of several sub pages. In this case, one or more arrows appear next to the page number and an information box is displayed at the bottom of the screen showing the number of sub pages contained on this page. As soon as sub pages are available, they start to automatically run. If you want to stop the show and select your desired sub page, press repeatedly  or .

To Switch Off Teletext:

Press .

Fastext


 Fastext service lets you access Teletext pages with one button push.


When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow or blue) to access the page corresponding to your menu choice.

Remote Control Configuration for VCR or DVD


 In it's default condition this remote control will operate the basic functions of this Sony TV. Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models).

To do this:


-  Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below. On those brands that have more than one code, enter the first code number.
- Sony will endeavour to update the software according to market changes. Therefore, please refer to code table included with the remote control for latest code set.
- A small label is added inside the battery door to allow you to record your brand codes.

1 Press and hold the  button of the remote control for approximately 6 seconds until the green DVD and VCR light of the Media Selector starts flashing (see fig. 1).

2 While the VCR and DVD lights are flashing, enter all three digits of the code for your brand of VCR or DVD (see the list below) using the **number buttons** on the remote control (see fig. 2).

 If your selected code is entered correctly, the green light VCR or DVD (according to your selection) will be lit momentarily (see fig. 3), otherwise repeat all the above steps.

3 Turn on your VCR or DVD and check that the main functions work.

-  If your device is not working or some of the functions do not work please check that you entered the correct code set or try the next code listed against the brand.
- Not all brands are covered and not all models of every brand may be covered.



4 Always remember to press the  or  button until the green light illuminates according to the equipment you want to operate with this remote control: VCR, TV or DVD. Refer to pages 24 - 25 on how to operate the AUX mode.



fig. 2

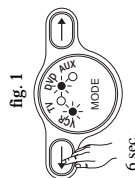


fig. 1



fig. 3

Technical Specifications

TV system:


Depending on your country

Rear Terminals

- AV1  1 21-pin scart connector (CENELEC standard)
- Woofer: 30 W (music power) 15 W (RMS)

Colour system: PAL SECAM, NTSC 3.58, 4.43 (only Video In)

AV2

 2 21-pin Scart connector (CENELEC standard) including audio / video input, RGB input, TV audio/video output.


Standby Power Consumption: 0.5 W

Channel Coverage: VHF: E2-E12 UHF: E21-E69 CATV: S1-S20 HYPER: S21-S41 D/K: R1-R12, R21-R69

Picture Tube:

Flat Display FD Trinitron: 29" (approx. 73 cm. measured diagonally)

AV3





 3 21-pin Scart connector (CENELEC standard) including audio / video input, S video input, selectable audio / video output and SmartLink interface.

Accessories supplied: • 1 Remote Control (RM-943) • 2 Batteries (IEC designated, AA size)

Other features:

- 100 Hz picture, Digital Plus, Teletext, Fastext, TOPtext.
- NexTVView.
- SmartLink.
- TV system autodetection.
- Dolby Virtual.
- BBE Digital.
- NICAM.
- PAP.
- ACI (Auto Channel Installation).
- Halogen free flame retardant used in cabinets.

Front Terminals

-  4 S Video input – 4 pin DIN
-  4 video input – phono jack
-  4 audio input – phono jacks
-  headphones jack

Optional accessories:

- Stand especially designed for this TV (SU-2829FQ3).

Design and specifications are subject to change without notice.



This instruction manual is made from 100% recycled paper.

VCR Brand List		DVD Brand List	
Brand	Code	Brand	Code
SONY (VHS)	301, 302, 303, 308, 309, 362	SONY	001, 029, 030, 036, 037, 038, 039, 040, 041, 042, 043, 044, 053, 054, 055
SONY (BETA)	303, 307, 310	AIWA	021
SONY (DV)	304, 305, 306	AKAI	032
AIWA	325, 331, 351	DENON	018, 027, 020, 002
AKAI	326, 329, 330	GRUNDIG	009, 028, 023, 024, 016, 003
DAEWOO	342, 343	HITACHI	025, 026, 015, 004, 035
GRUNDIG	358, 355, 360, 361, 320, 351, 366	JVC	006, 017
HITACHI	327, 333, 334	KENWOOD	008
JVC	314, 315, 322, 344, 352, 353, 354, 348, 349	LG	015, 014, 034
LG	332, 338	LOEWE	009, 028, 023, 024, 016, 003
LOEWE	358, 355, 360, 361, 320, 351	MATSUI	013, 016
MATSUI	356, 357	ONKYO	022, 033
ORION	328	PANASONIC	018, 027, 020, 002, 045, 046, 047
PANASONIC	321, 323	PHILIPS	009, 028, 023, 024, 016, 003, 031
PHILIPS	311, 312, 313, 316, 317, 318, 358, 359, 363, 364	PIONEER	004, 050, 051, 052
SAMSUNG	339, 340, 341, 345	SANYO	007
SANYO	335, 336	SHARP	019, 027
SHARP	324	THOMSON	012
THOMSON	319, 350, 365	TOSHIBA	003, 048, 049
TOSHIBA	337	YAMAHA	018, 027, 020, 002

Troubleshooting



Here are some simple solutions to problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark) and no sound.	<ul style="list-style-type: none"> Check the aerial connection. Plug the TV in and press the button on the front of the TV. If the standby indicator is on, press TV button on the remote control.
Poor or no picture (screen is dark), but good sound.	<ul style="list-style-type: none"> Using the menu system, select the "Picture Adjustment" menu and select "Reset", to return to the factory settings (see page 11).
No picture or no menu information from equipment connected to the Scart connector.	<ul style="list-style-type: none"> Check that the optional equipment is on and press the button repeatedly on the remote control until the correct input symbol is displayed on the screen (see page 23).
Good picture, no sound.	<ul style="list-style-type: none"> Press the + button on the remote control. Check that "TV Speakers" is "On" in the "Sound Adjustment" menu (see page 13). Check that headphones are not connected.
No colour on colour programmes.	<ul style="list-style-type: none"> Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings (see page 11).
When you switch on the TV the last channel you were watching before switching the TV off does not appear.	<ul style="list-style-type: none"> This is not a malfunction. Press the number buttons on the remote control to select the desired channel.
Distorted picture when changing programmes or selecting teletext.	<ul style="list-style-type: none"> Turn off any equipment connected to the Scart connector on the rear of the TV.
Wrong characters appear when viewing teletext.	<ul style="list-style-type: none"> Use the menu system to enter the "Country" menu (see page 16) and select the country in which you operate the TV set. For Cyrillic languages, we recommend selecting Russia country if your own country does not appear in the list.
Wrong characters appear when viewing NextView.	<ul style="list-style-type: none"> Use the menu system to enter the "Language" menu (see page 16) and select the same language that NextView is broadcast in.
Picture slanted.	<ul style="list-style-type: none"> Using the menu system, select the "Picture Rotation" option in the "Features" menu to correct the picture slant (see page 15).
Snowy picture when viewing a TV channel.	<ul style="list-style-type: none"> Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception (see page 18). Using the menu system, select the "Noise Reduction" option in the "Picture Adjustment" menu and select "Auto" to reduce the noise in the picture (see page 11).

continued...

Problem

Solution

No unscrambled picture whilst viewing an unscrambled channel with a decoder or a Set Top Box connected through the Scart connector 3/4 3.

- Using the menu system, select the "Features" menu and set "AV3 Output" to "TV" (see page 15).
- Check that the Decoder or the Set Top Box is not connected on the scart 2/4 2.

Remote control does not function.

- Check that the Media Selector on the remote control is set to the device you are using (VCR, TV, DVD or AUX).

- If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly. Enter the necessary code set as explained on page 26.

- Replace the batteries.

The standby indicator on the TV

- Contact your nearest Sony service centre.



If you continue to experience problems, have your TV serviced by qualified personnel. Never open the casing yourself.

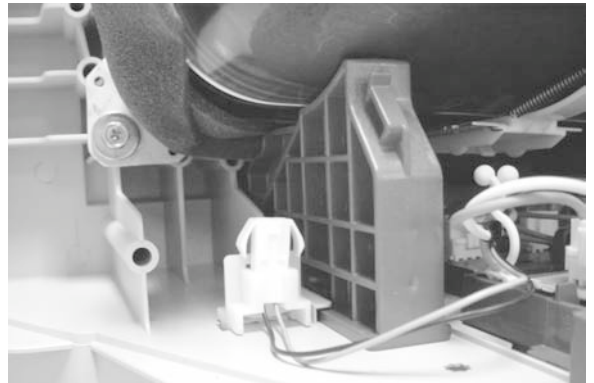
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



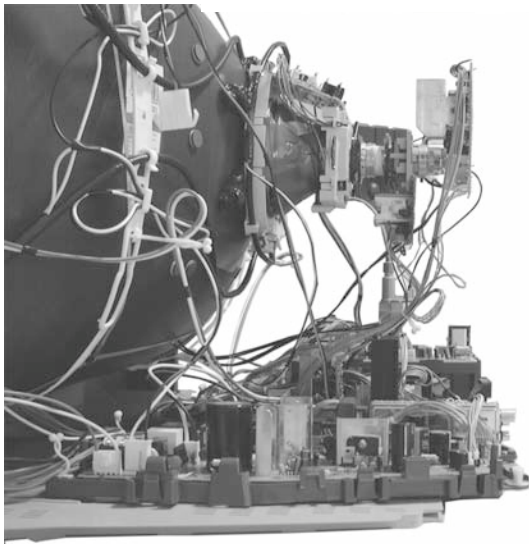
Remove the rear cover fixing screws indicated and pull the rear cover backwards away from the set. Take care when removing the rear cover not to damage the speaker cable [Disconnect the speaker connector] a speaker is fitted inside the rear cover.

2-2. Speaker Connector Disconnection

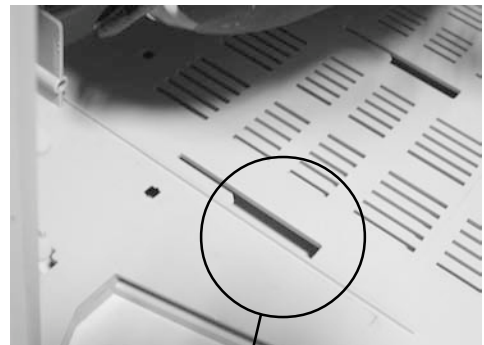


Before completely removing the rear cover disconnect the speaker connector which is located on the inside of the set.

2-3. Chassis Removal and Refitting

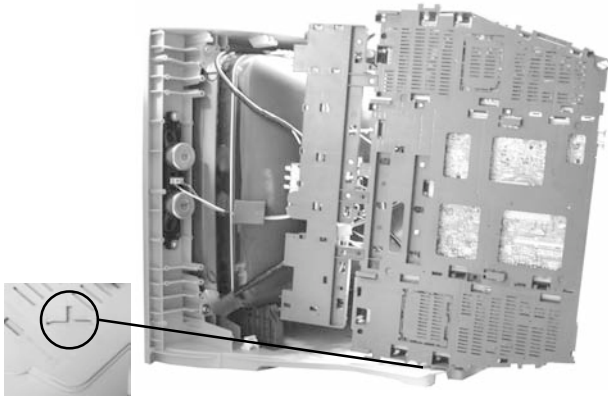


To remove lift the main bracket rear slightly and slide the chassis away from the bezel. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



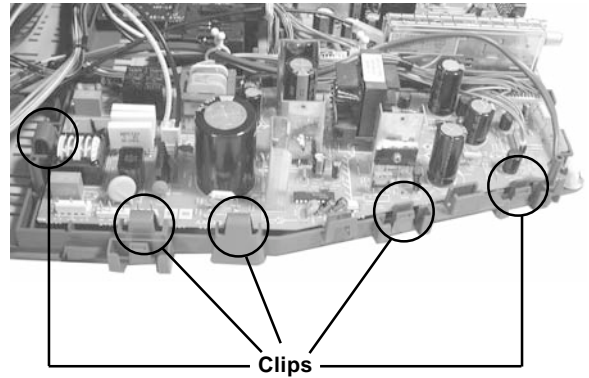
When refitting the chassis ensure that the main bracket is located in the bezel guide slots before sliding the chassis forwards. Refit the inter-connecting leads in their respective purse locks.

2-4. Service Position



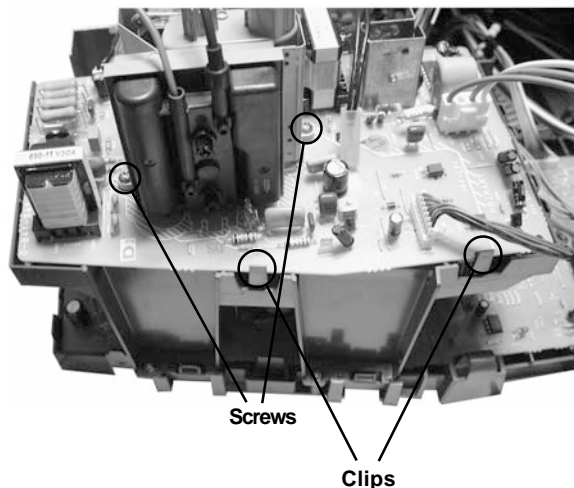
To place the chassis in the service position, insert the main bracket firmly into the T-slot located on the left corner of the beznet as indicated (see inset). To gain access to the underside of the boards follow the instructions on page 16. [Removal and Replacement of the main bracket bottom plates].

2-5. G Board Removal



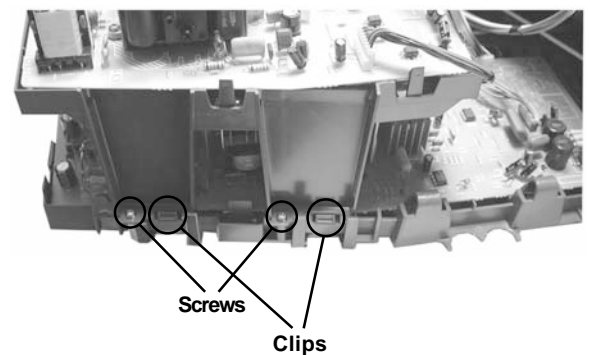
To remove the G Board remove the two screws from the middle of the board, release the clips circled and ease the board gently away from the support bracket.

2-6. D2 Board Removal



To remove the D2 board remove the two screws circled, release the clips circled and ease the board gently away from the support bracket.

2-7. D Board Removal

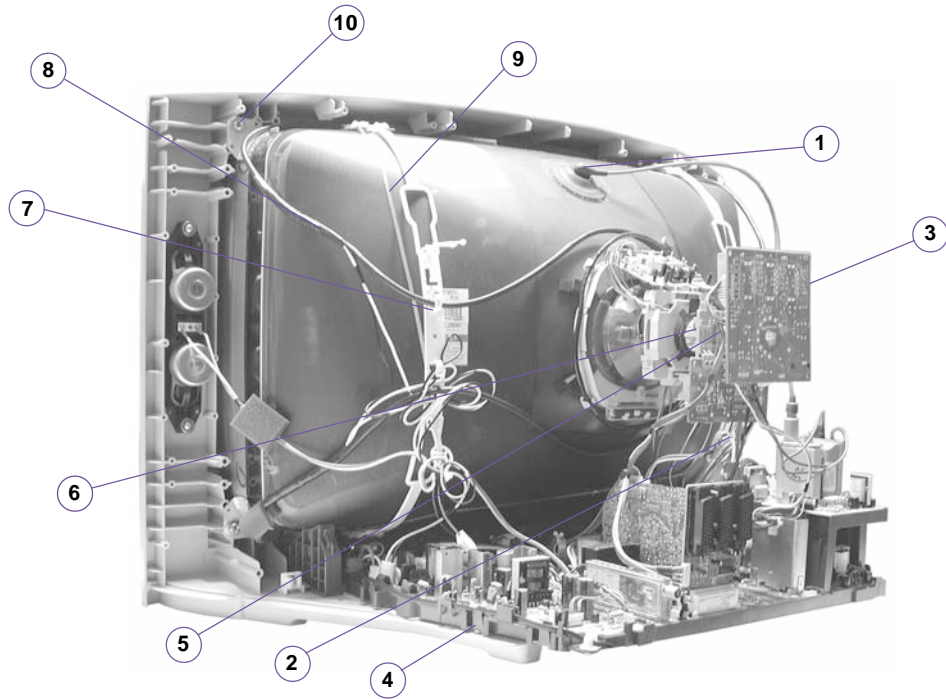
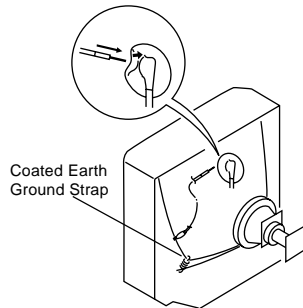


To remove the D board first remove the D2 bracket by removing the two screws circled and releasing the four clips (two on each side of the bracket). The D board can then be removed using the same method as the G board but with the necessity to remove only one screw from the middle of the D board.

2-8. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

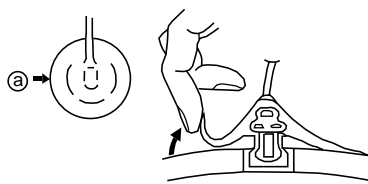
High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT **before** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



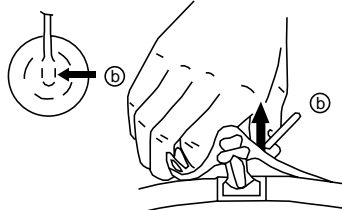
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the Neck assembly fixing screw and remove.
6. Loosen the Deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
8. Remove the Degaussing Coils.
9. Remove the CRT grounding strap and spring tensioners.
10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
[Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

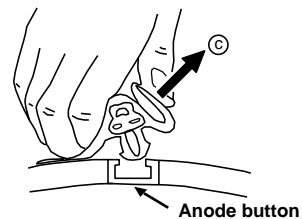
REMOVAL PROCEDURE.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a)



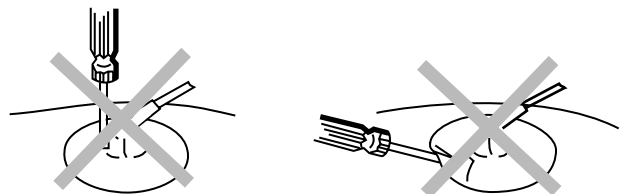
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c)

How to handle the Anode-Cap

1. To prevent damaging the surface of the anode-cap do not use sharp materials.
2. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
3. A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
4. Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.

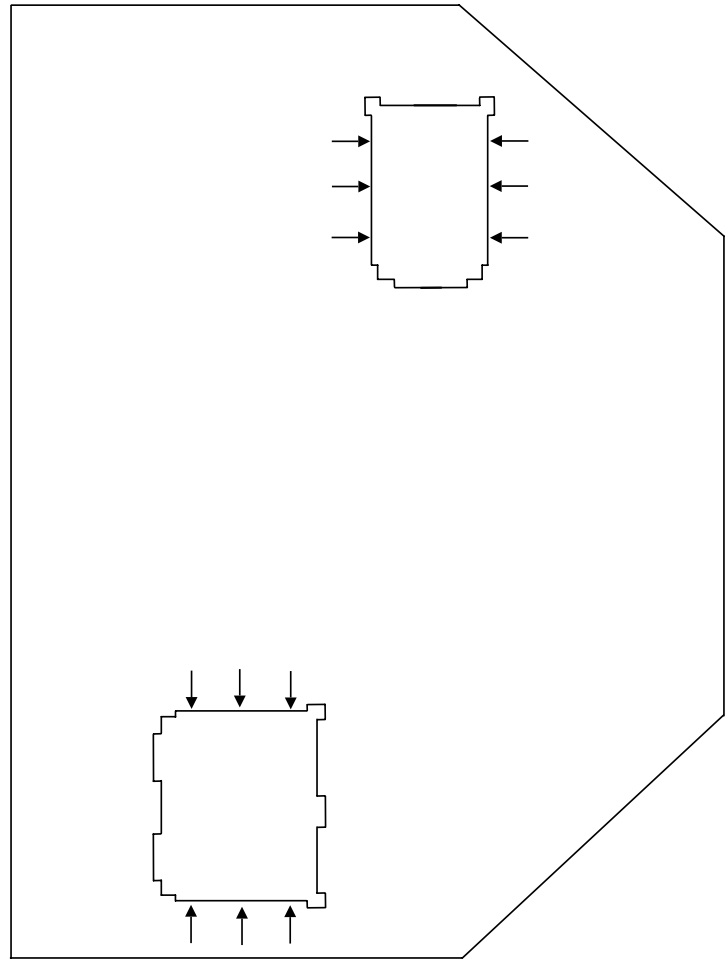


REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the printed wiring boards, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note : There are 2 plates fitted to the main bracket. Only remove the necessary plate to gain access to the printed wiring board.

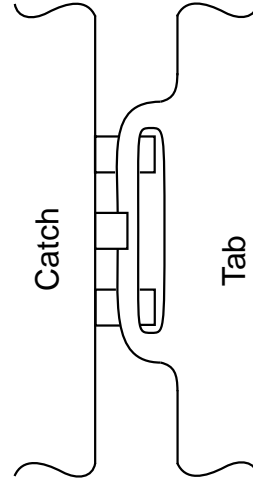


 For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings :

Contrast normal

Brightness normal

Carry out the adjustments in the following order :

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note : Test equipment required.

1. Color bar/pattern generator.
2. Degausser.
3. Oscilloscope.
4. Digital multimeter.

3-1. Beam Landing

Preparation :

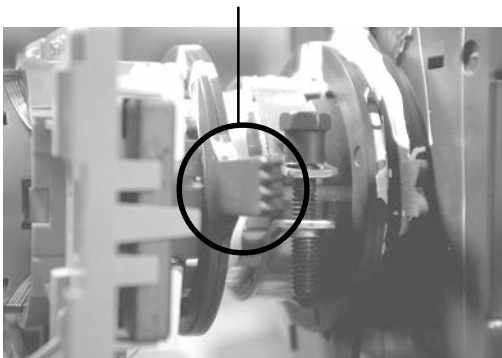
1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

1. Input a crosshatch signal from the pattern generator.
2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
3. Position the neck assembly as indicated in Fig.3-2.
4. Loosen the deflection yoke fixing screw.
5. Move the deflection yoke as far forward as is possible.
6. Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet



Caution :

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note : Before carrying out the following adjustments adjust the magnets as indicated [See Fig.3-4].

1. Input a crosshatch signal from the signal generator.
2. Rough-adjust the focus and horizontal convergence.
3. Switch from the crosshatch pattern to an all-red pattern.
4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
7. Position the deflection yoke between the two marks indicated above.
8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
9. When the position of the deflection yoke has been determined, fasten it with its fixing screw.
10. Switch the pattern generator to green then blue and confirm the purity.
11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

Fig.3-2

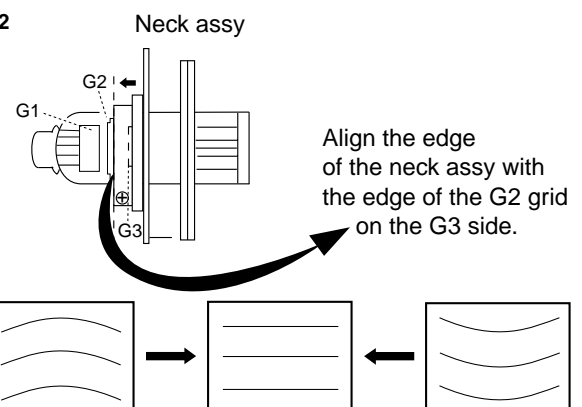


Fig.3-3

Fig.3-4

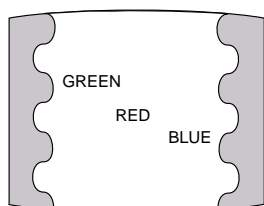
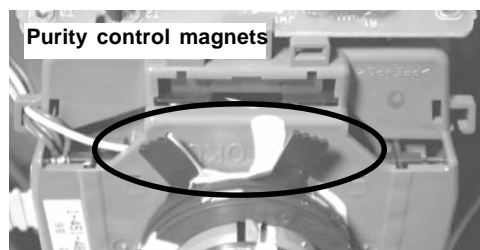
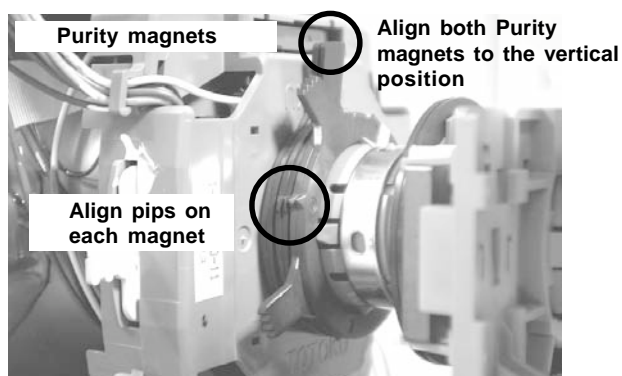
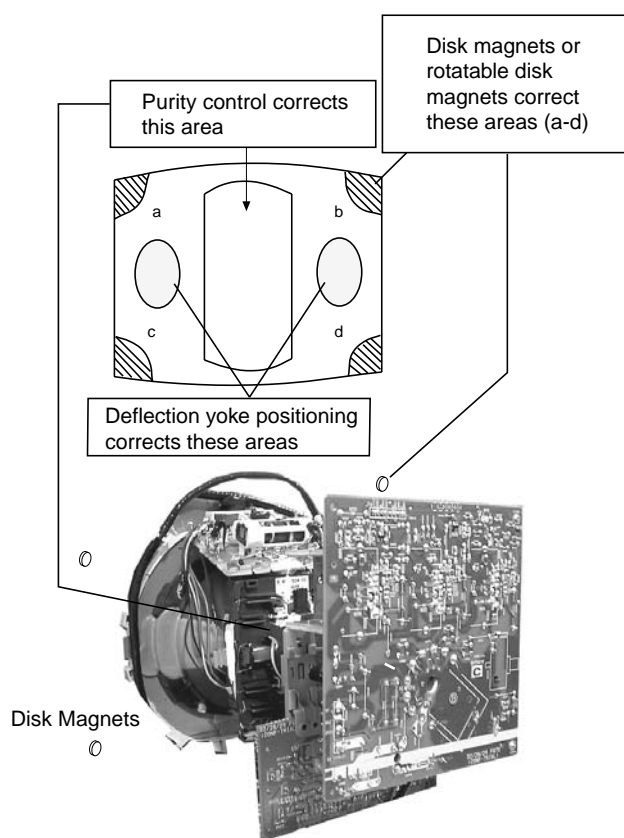


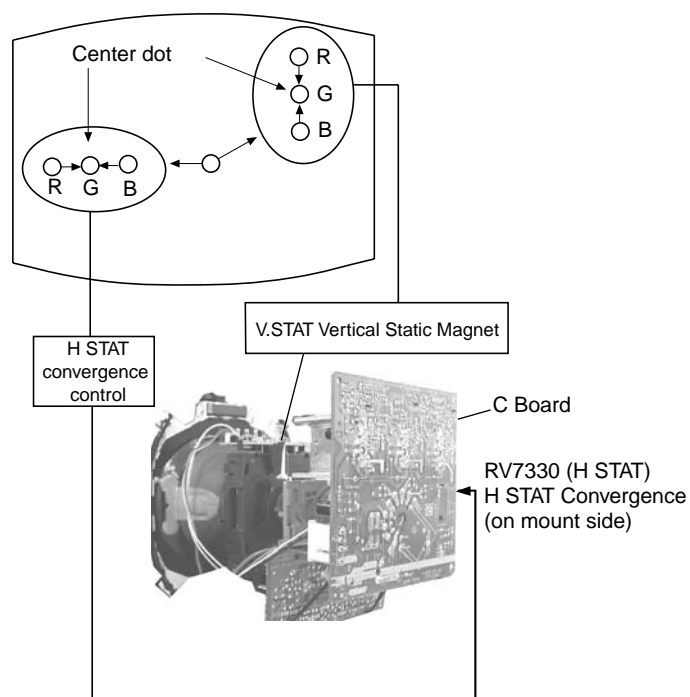
Fig.3-5



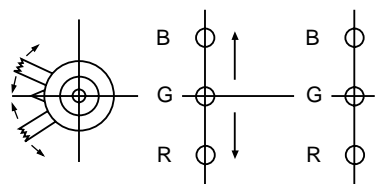
3-2. Convergence

(1) Screen centre convergence [Static convergence]

1. Input a dot pattern signal from the pattern generator.
2. Normalize the picture setting.
3. [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



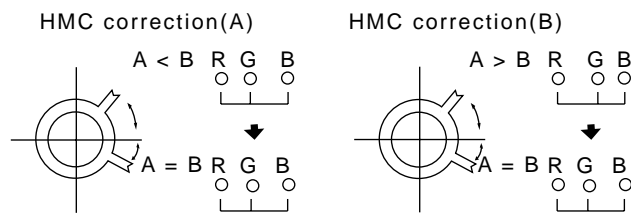
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



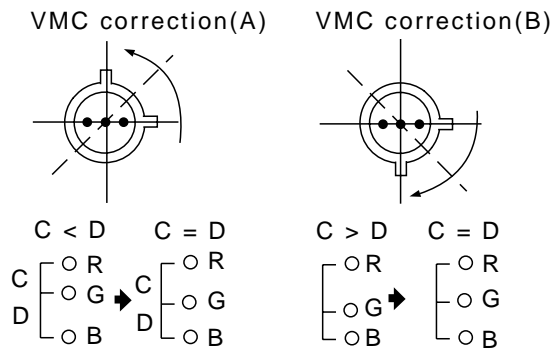
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.

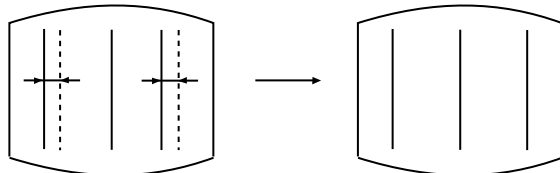
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



- b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

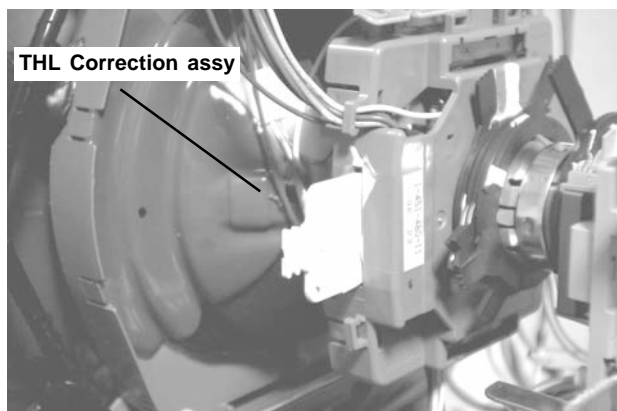


HAMP Adjustment

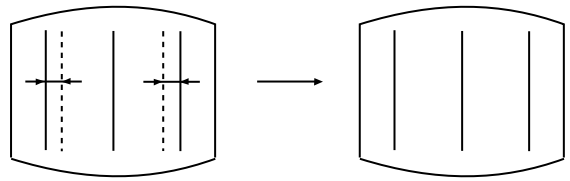


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

HTIL Adjustment



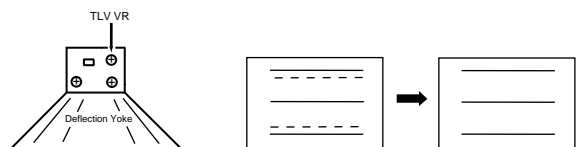
HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



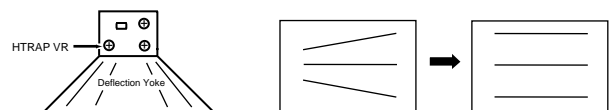
YCH Adjustment



TLV Adjustment

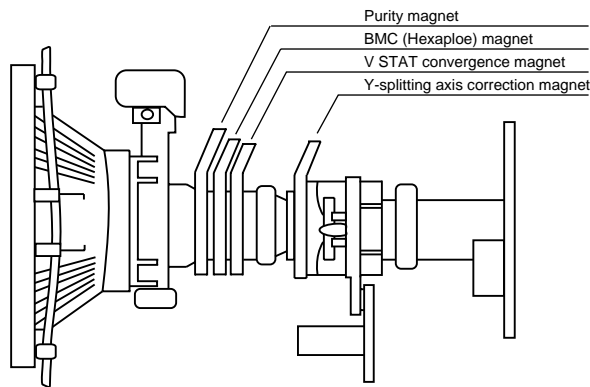


H-TRAP Adjustment

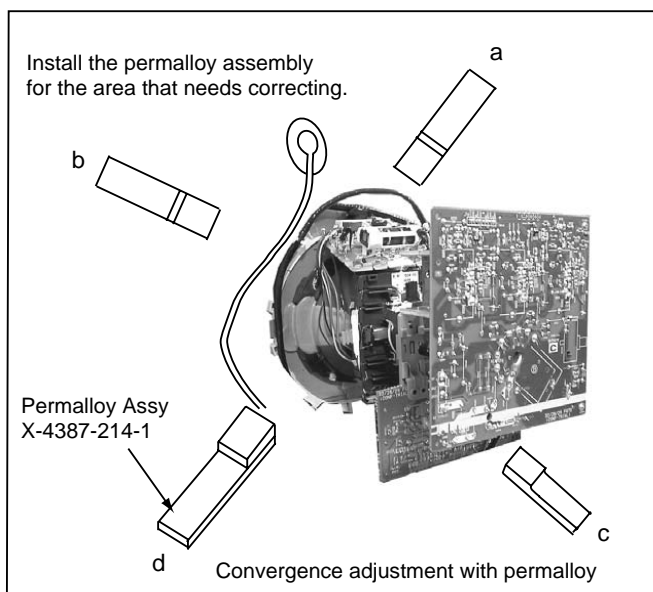
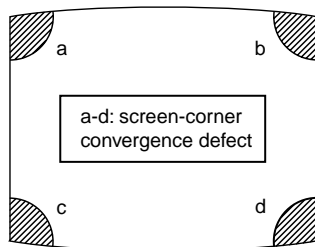


The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control

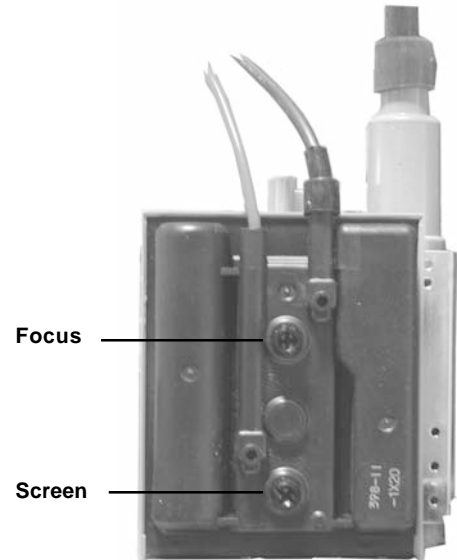


Note : If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.



3-3. Focus Adjustment

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen. Bring only the centre area of the screen into focus, the magenta-tinge appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 175V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

1. Input an all-white signal from the pattern generator.
2. Program the Remote Commander for operation in Service Mode. [See Page 21].
3. Enter into the 'Service Mode' by pressing 'AUX/VIDEO' button twice and 'MENU' on the Service Commander.
4. Select 'Service' from the on screen menu display and press 'Right Arrow'.
5. The 'Service' menu will appear on the screen.[See Page 21]
6. Select 'Picture' from the on screen menu and press right arrow.
7. Select 'Picture settings' from the on screen menu and press right arrow and set the 'Contrast_Max' to MAX.
8. Select 'White Balance' from the on screen menu and press right arrow.
9. The 'White Balance' menu will appear on the screen.
10. Set the 'Normal_PAL_RD' to 465.
11. Adjust the 'Normal_PAL_GD' and the 'Normal_PAL_BD' so that the white balance becomes optimum.
12. Select 'Picture settings' from the on screen menu and press right arrow and set the 'Contrast_Min' to MIN.
13. Set the 'Normal_PAL_RC' to 121.
14. Adjust the 'Normal_PAL_GC' and the 'Normal_PAL_BC' with the left and right buttons on the commander so that the white balance becomes optimum.
15. Press the 'OK' button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments


Service adjustments to this model can be performed using the supplied remote Commander RM-943.

Programming the Remote Commander for Operation in Service Mode

1. Press and hold the left Mode Select button until the VCR and DVD LED's flash.
2. Press 99999. The TV LED should light. The remote commander is now set to Service Mode.
3. To return the remote commander to normal operation mode repeat step 1. then press 00000. The TV LED should light. The remote commander is now set to normal mode.



Setting the TV into Service Mode

1. Program the remote commander for operation in Service Mode as described above.
2. Turn on the TV main power switch.
3. Press the 'aux/video' standby button  on the remote commander twice. 'TT __' will appear in the upper right corner of the screen. Other status information will also be displayed.
4. Press 'MENU' on the remote commander to obtain the following menu on the screen.

Service Main Menu:AE6BAD/Y (v0.26D) NVM VERSION:04H	
Service	▶
Design	
Error	
Select: ▲ ▼	Select Item: ▶
FACTORY INFO:FFH FFH 03H	

5. Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
6. Press the right arrow button to enter into the required menu item.
7. Press the 'aux/video' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Service		
Geometry		▶
Picture		
Audio		
Select: ▲ ▼	Select Item: ▶	Previous Menu: ◀

Geometry		
Wide mode adjustment		▶
Screen offsets		
Frequency offsets		
Select: ▲ ▼	Select Item: ▶	Previous Menu: ◀

Wide mode adjustment			
Description	(min,max)	Default	Value
V AMP	(-128,127)	35	35 ▶
V ZOOM	(0,510)	256	256
V POS	(-512,511)	-10	-10
V LIN	(-128,127)	0	0
V SCORR	(-128,1270)	4	4
H WIDTH	(-256,255)	63	63
V TRAP	(-128,127)	1	1
PIN AMP	(-511,511)	-80	-80
UP COR	(-128,127)	-1	-1
LOW COR	(-128,127)	-2	-2
H POS	(-600,600)	10	10
ANGLE	(-511,511)	-1	-1
BOW	(-511,511)	8	8
H LIN	(0,255)	85	84
H TRAP	(0,255)	138	138
H SCORR	(0,255)	100	100
UP COR 6	(-128,127)	-1	-1
LOW COR 6	(-128,127)	0	0
PIN UNBAL	(-240,240)	-40	-40
MID PIN	(-240,240)	-60	-60
Select: ▲ ▼	Select Item: ▶	Previous Menu: ◀	

Picture		
White balance		▶
Colour Tone		
Picture settings		
Select: ▲ ▼	Select Item: ▶	Previous Menu: ◀

Picture settings			
Description	(min,max)	Default	Value
SUBCOLOR PAL	(0,63)	31	34 ►
SUBCOLOR SECAM	(0,63)	31	34
SHP MAXLTI	(0,31)	31	20
SHP MAXPEAK	(0,15)	15	12
CONTRAST MIN	(0,63)	17	17
CONTRAST MAX	(0,63)	59	59
BRIGHT EXPAND	(0,511)	400	400
BRIGHT CENTER	(-256,255)	10	40
Select: ▲ ▼ Select Item: ► Previous Menu: ◀			

Audio	
BBE OFF mode	►
BBE Natural/V.Dolby offsets	
BBE Dynamic offsets	
BBE Cinema offsets	
Subwoofer level adjustments	
Audio detection thresholds	
Select: ▲ ▼ Select Item: ► Previous Menu: ◀	

BBE OFF mode			
Description	(min,max)	Default	Value
SW_FREQ_OFF	(5,40)	20	20 ►
BAND1_OFF_OFFSET	(-96,96)	0	0
BAND2_OFF_OFFSET	(-96,96)	0	0
BAND3_OFF_OFFSET	(-96,96)	0	0
BAND4_OFF_OFFSET	(-96,96)	0	0
BAND5_OFF_OFFSET	(-96,96)	0	0
BBE_LOUDNESS_OFF	(0,68)	0	0
Select: ▲ ▼ Select Item: ► Previous Menu: ◀			

Design	
CXA2149 - AVSwitch Device	►
DDP3315 - Backend Device	
MSP3411 - Sound Processor Device	
TDA988x - IF Device	
TUA60xx - PLL Device	
VSP9427 - Video Processor Device	
CXA2019 - Chroma Decoder	
CXD3804 - 3D Comb Filter	
CXA8070 - Dynamic Convergence Device	
FRC9429 - FRCA Device	
PJ Engine	
Select: ▲ ▼ Select Item: ► Previous Menu: ◀	

Error monitor		
WORKING TIME:	(Hours:Minutes)	82:33
Error counters:		
E02: OCP		0
E03: OVP		0
E04: NO V SYNC		0
E05: IKR		0
E06: IIC		0
E07: NVN		0
E08: H PROT		0
E09: TUNER		0
E10: SOUND		0
E11: 9 VOLTS		0
E12: SCANRATE		0
E13: 3DCOMB		0
E14: BACKEND		0
E15: DYNCON		0
E16: HIGH VOLTAGE		0
E17: AVSWITCH		0
E18: CHROMA DEC		0
E19: FRCA		0
E20: PJ ENG		0
E21: DAC		0
E24: SPEAKER PROT		0
E25: MEMORY STICK		0
Select: ▲ ▼ Previous Menu: ◀		

Sub Brightness Adjustment

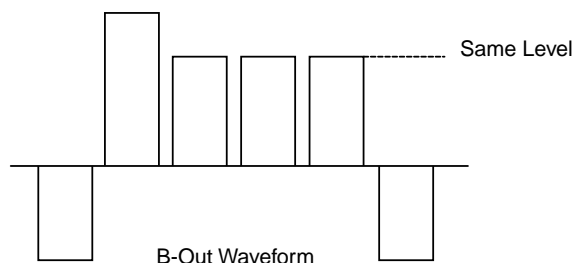
1. Input a Monoscope pattern.
2. Program the Remote Commander for operation in Service Mode.
[See Page 21].
3. Press 'AUX/VIDEO' 'AUX/VIDEO' 13 on the Remote Commander.
4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

Sub Contrast Adjustment

1. Input a video signal that contains a small 100% white area on a black background.
2. Connect an oscilloscope to Pin 10 of J7330 [C Board].
3. Program the Remote Commander for operation in Service Mode.
[See Page 21].
4. Adjust the Sub-Contrast
[Using 'AUX/VIDEO' 'AUX/VIDEO' '11'] to obtain a voltage of 114 +0/- 5V.

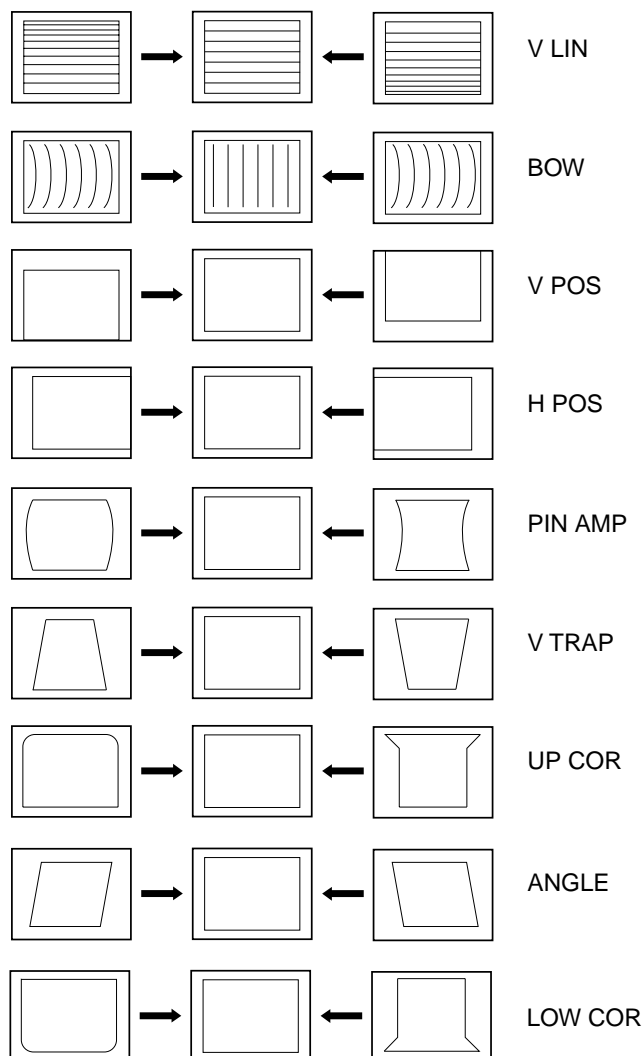
Sub Colour Adjustment

1. Receive a PAL colour bar signal.
2. Connect an oscilloscope to Pin 5 of CN7331 [C Board].
3. Program the Remote Commander for operation in Service Mode.
[See Page 21].
4. Adjust the 'Sub Colour'
[Using 'AUX/VIDEO' 'AUX/VIDEO' '12'] so that the Cyan, Magenta and Blue colour bars are of equal levels as indicated below.



Deflection System Adjustment

1. Program the Remote Commander for operation in Service Mode.
[See Page 21] and enter into the 'Geometry' service menu, Wide mode adjustment.
2. Select and adjust each item in order to obtain the optimum image.

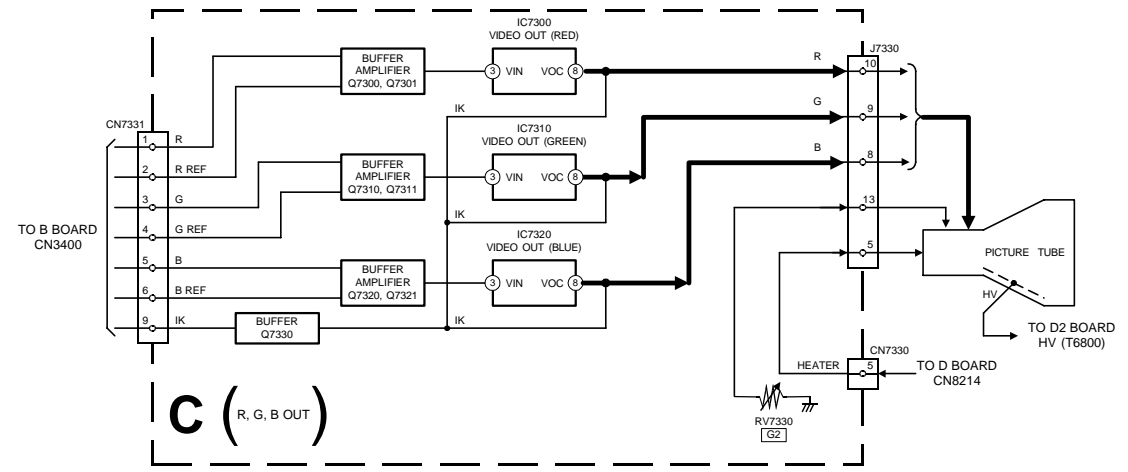
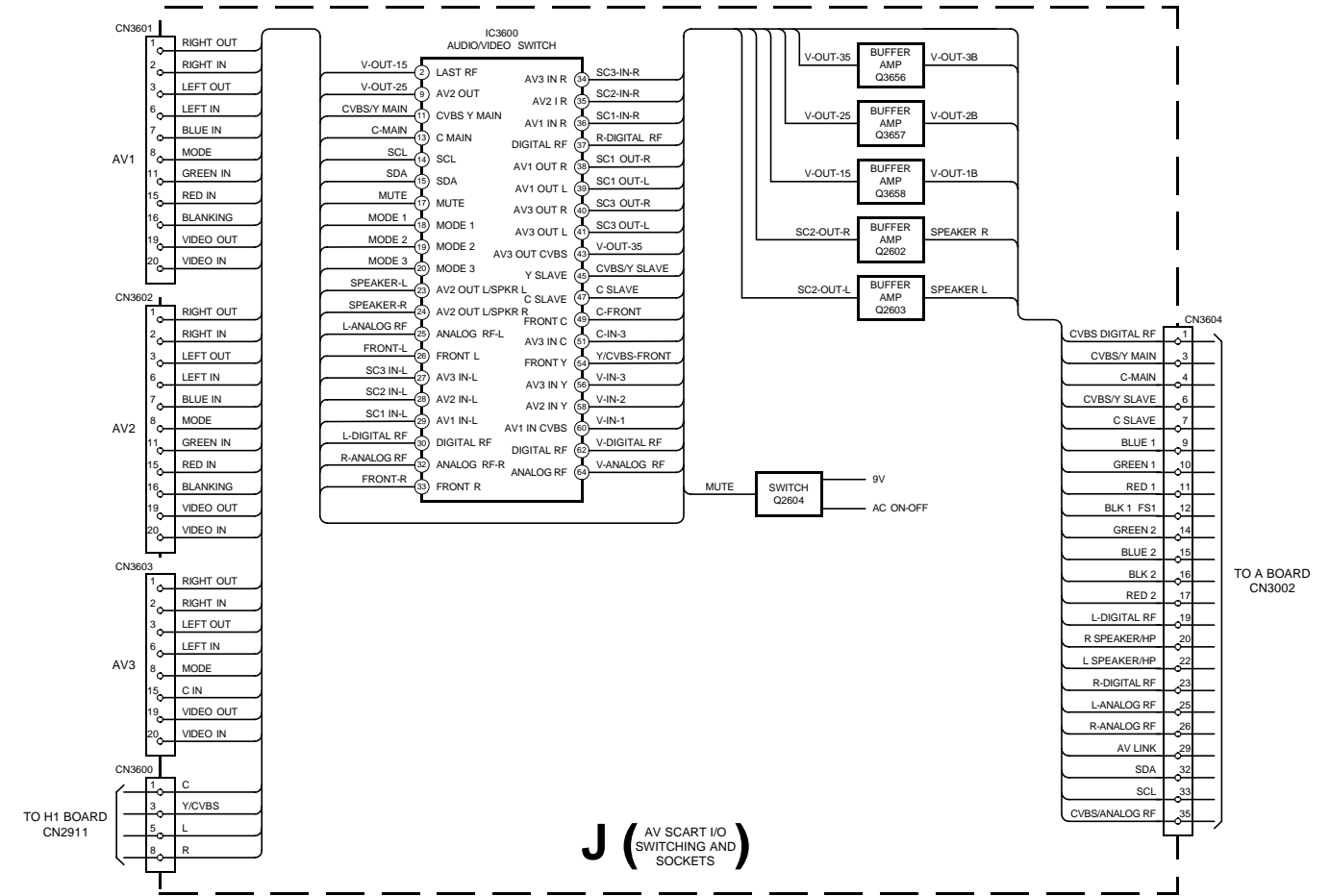
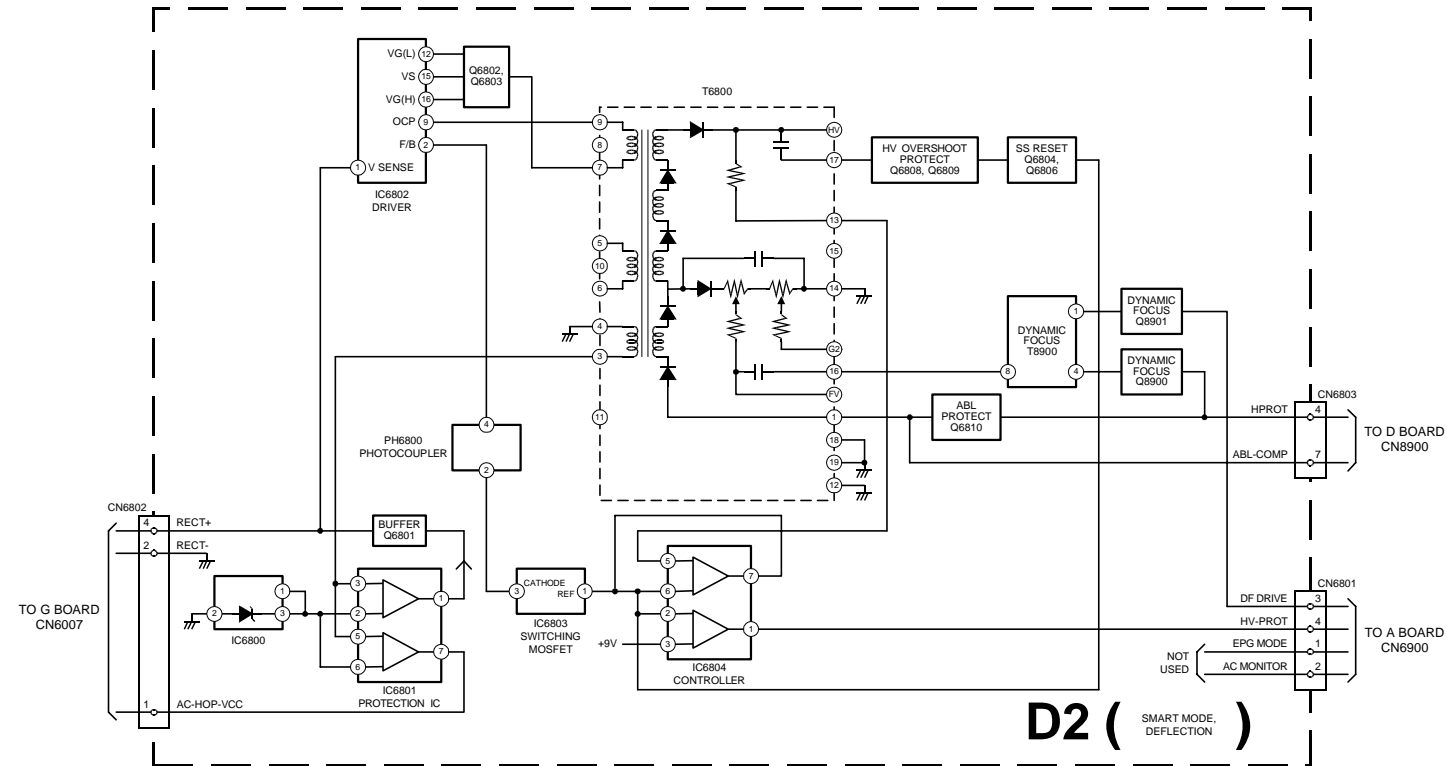
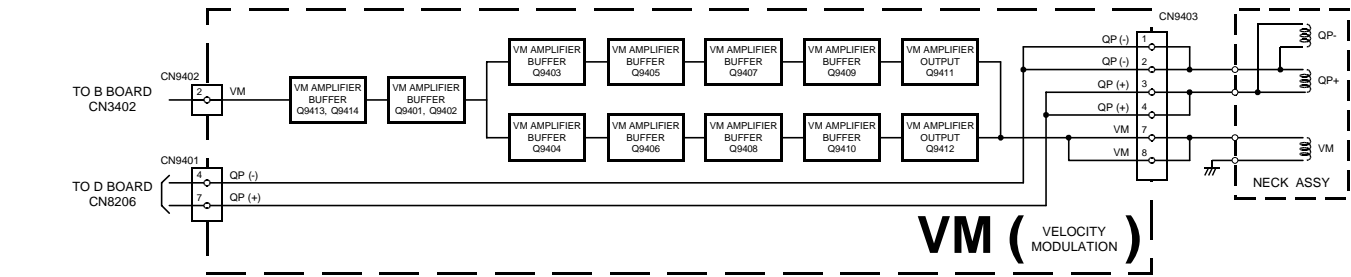


4-2. TEST MODE 2:

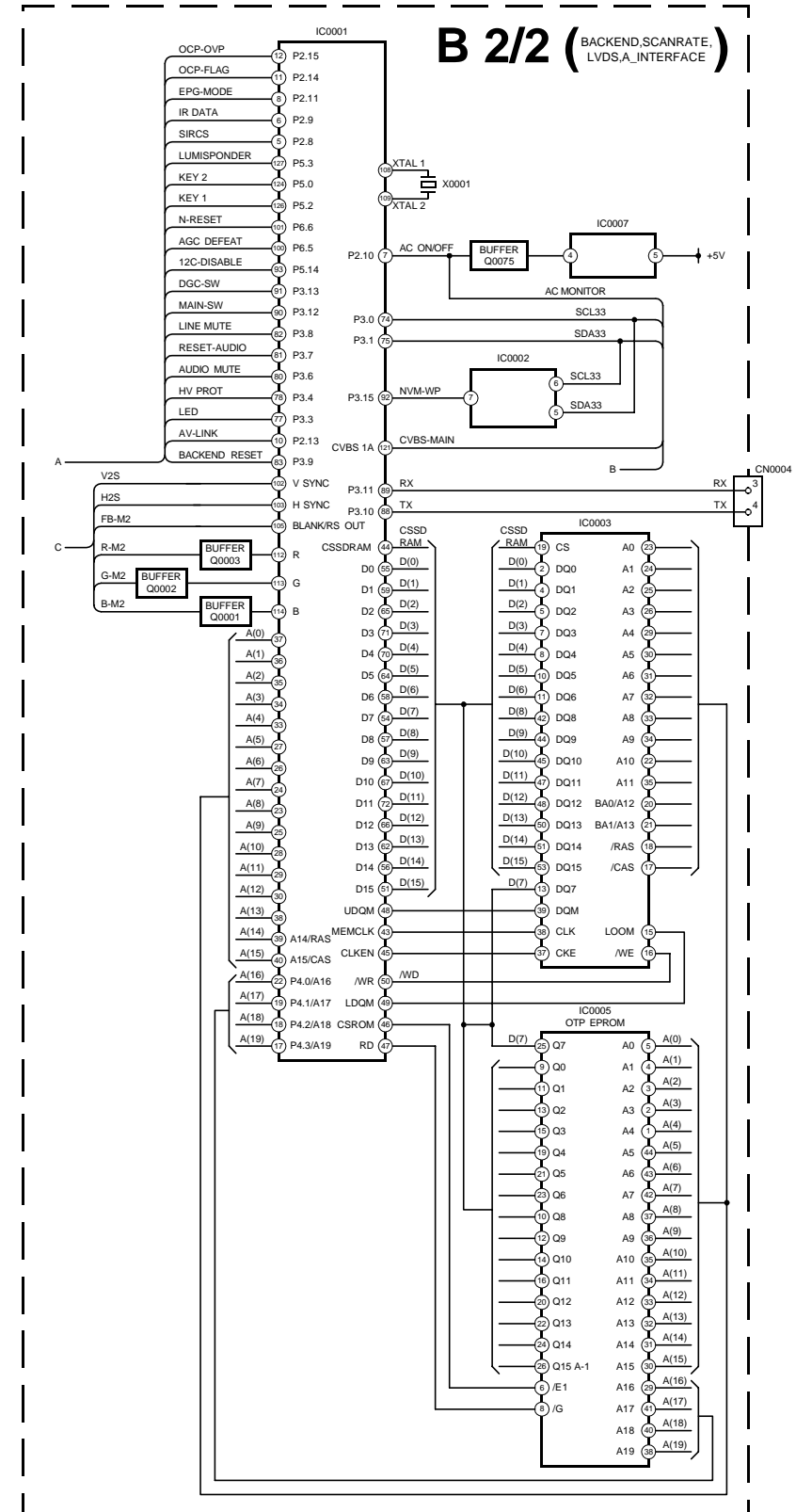
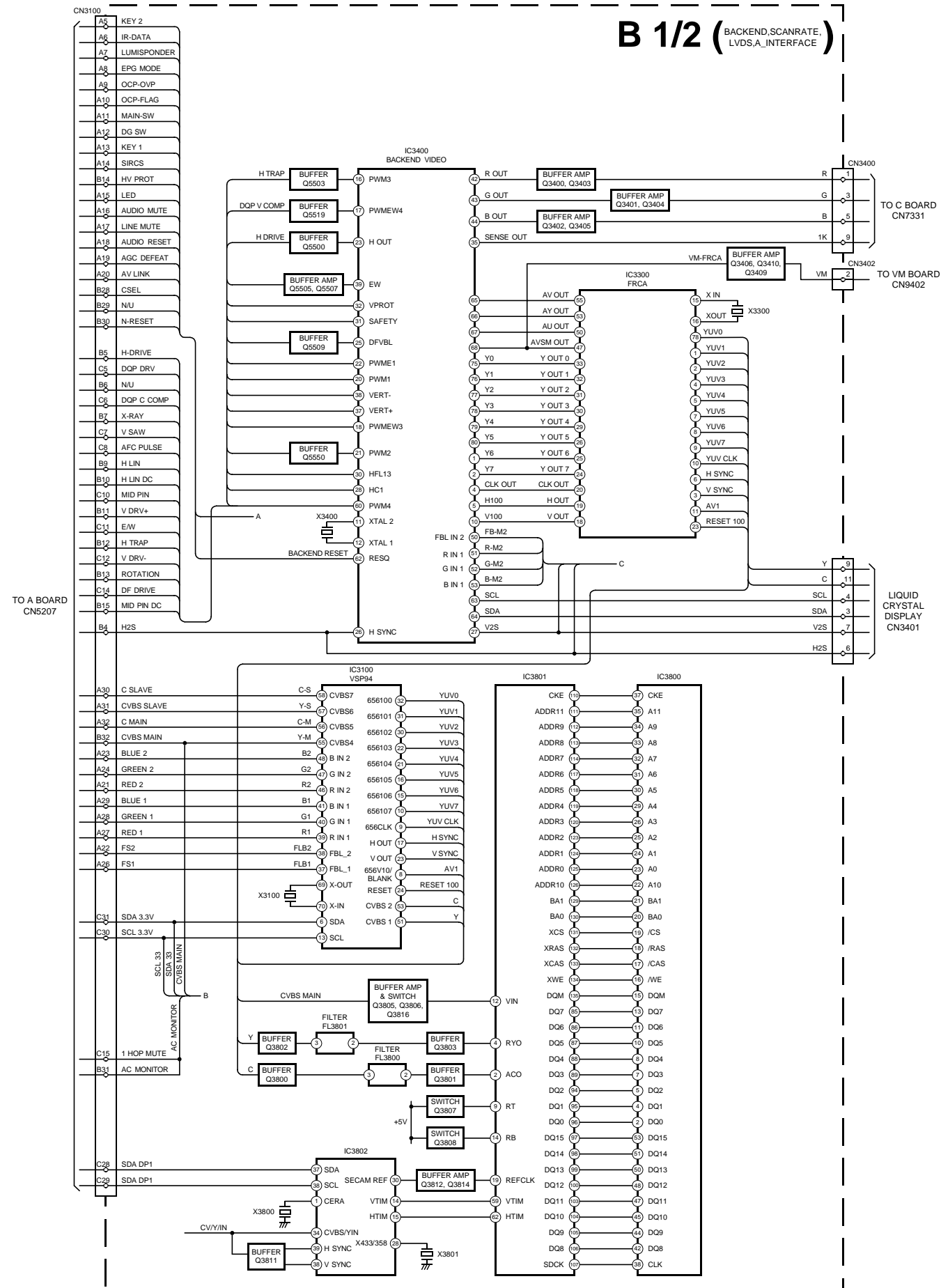
Test Mode 2 is available by programming the Remote Commander for operation in Service Mode [As shown on Page 21] then pressing the 'AUX/VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release 'Test mode 2', press 00, or switch the TV set into Stand-by mode.

00	'TT' mode off
01	Set picture level to maximum
02	Set picture level to minimum
03	Set speaker/headphone Volume to 35%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode on
08	Shipping Condition
11	Sub picture adjustment
12	Sub colour adjustment
13	Sub brightness adjustment
15	Rotation coil test
16	Picture level 50%
19	Factory mode enable/disable
21	Destination ADEKR
22	Destination BL
24	Destination U
35	Wide model selection
36	VM off/on test
43	Select Dual A sound
44	Select Dual B sound
45	Select Mono sound
46	Select Stereo sound
49	Set NVM as virgin
53	FM Overmodulation enable/disable
62	AM from baseband enable/disable
73	Enable Zweiton D/K2 system (6.5/6.74)
74	Enable Zweiton D/K3 system (6.5/6.74)
78	Balance full left
79	Balance full right
87	Local keys test
91	Set 14:9 zoom mode
92	Set Smart zoom mode
93	Set 16:9 zoom mode
94	Set ZOOM zoom mode
95	Set 4:3 zoom mode
96	Set Smart zoom mode (for FX66)
99	DisplayError and Working Time menu

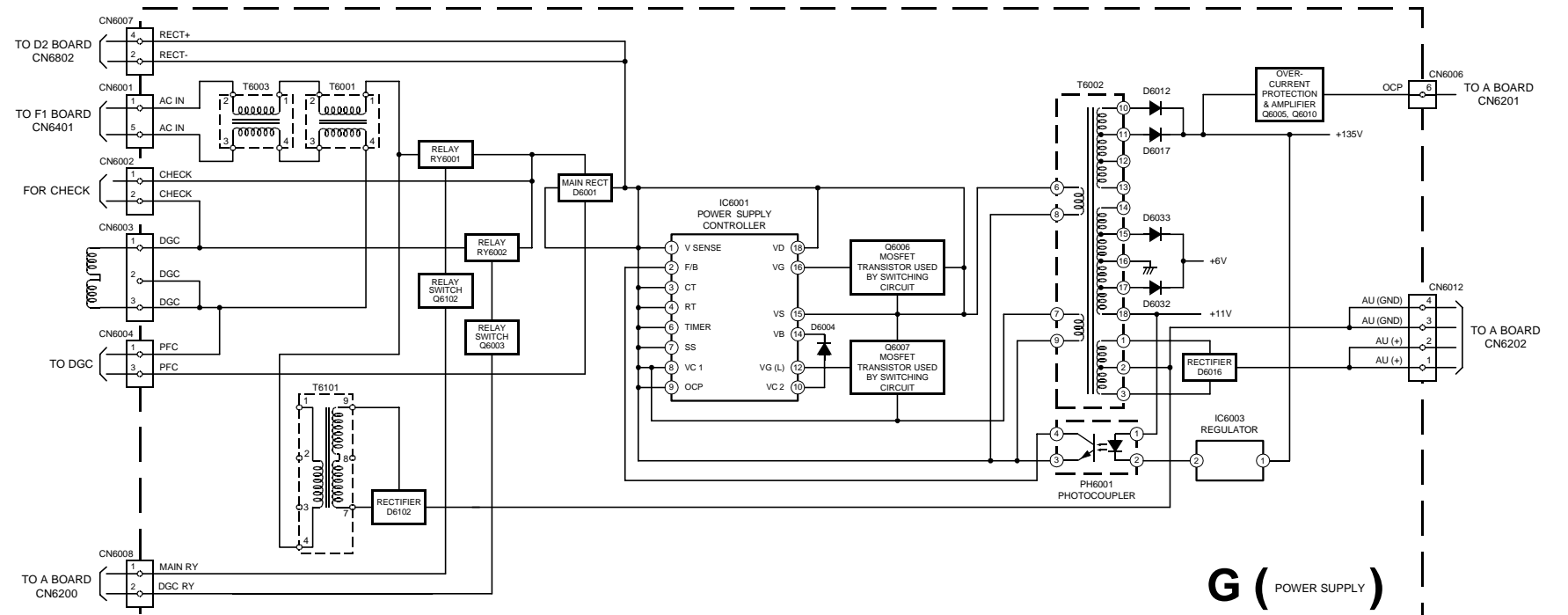
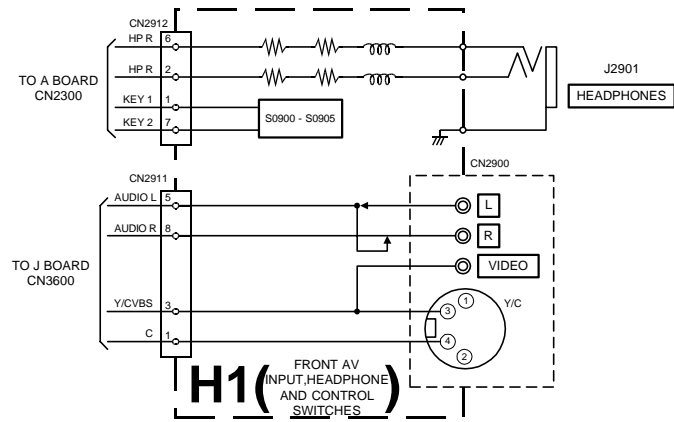
5-1. BLOCK DIAGRAMS (1)



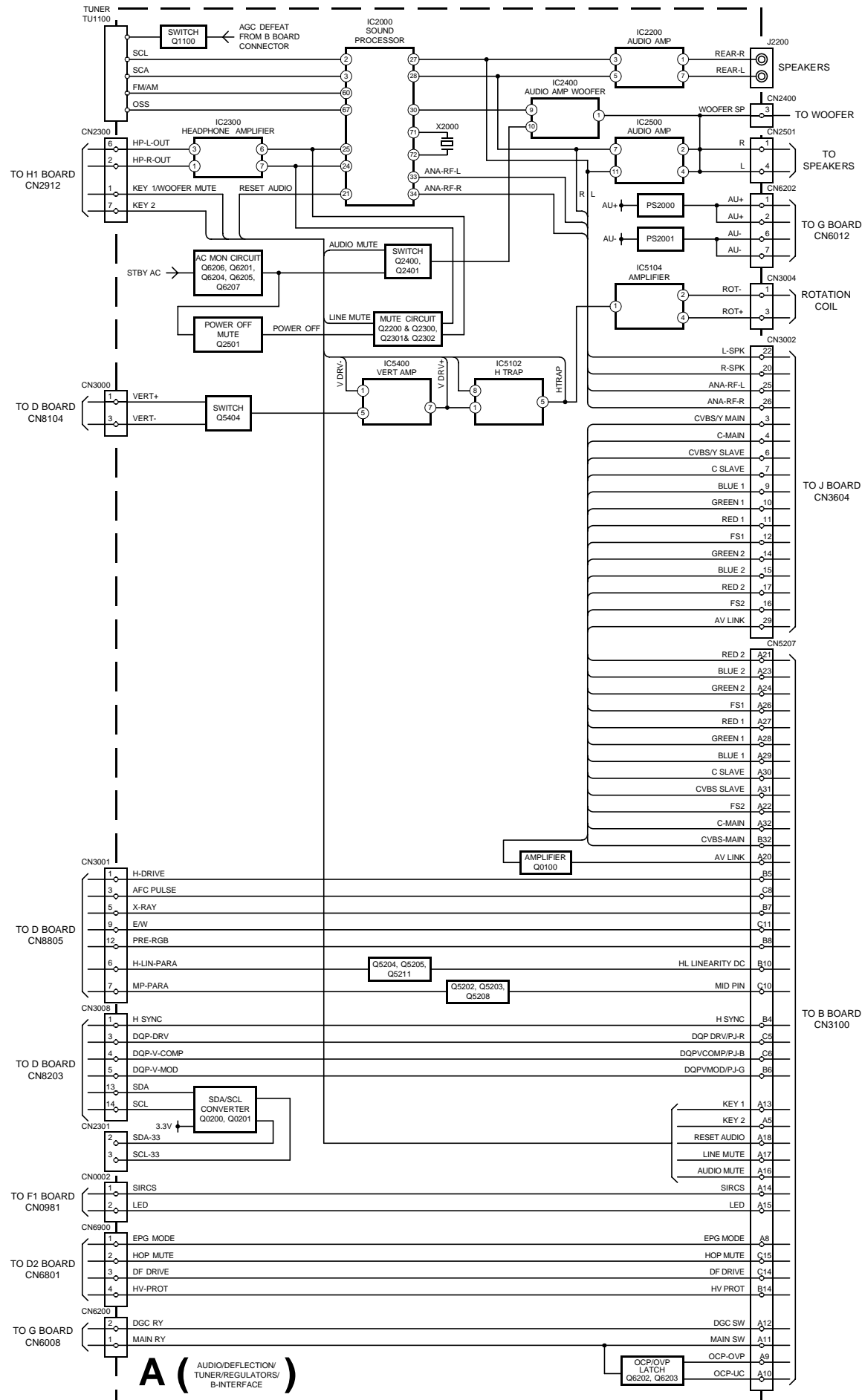
5-1. BLOCK DIAGRAMS (2)



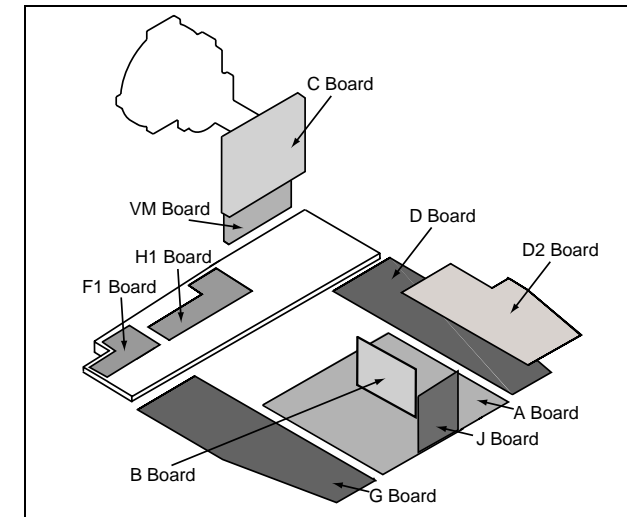
5-1. BLOCK DIAGRAMS (3)



5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION







5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :






- All capacitors are in μF unless otherwise noted.
- $\text{pF} : \mu\text{pF}$ 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W


- Chip resistors are 1/10W
- All resistors are in ohms.
k = 1000 ohms, M = 1000,000 ohms


-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation or adjustment for repair.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital multimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerances.

-  : B + bus.
-  : B - bus.
-  : RF signal path.
-  : earth - ground.
-  : earth - chassis.

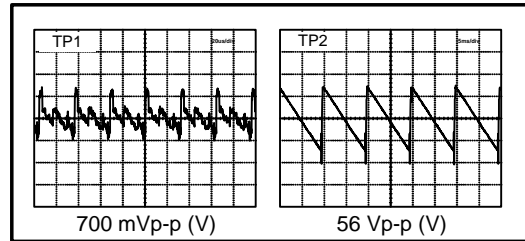
Reference Information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note : The components identified by shading and marked  are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

~ A Board Waveforms ~



~ A Board Location Table (A Side) ~

DIODE		D5405	D - 10	D6211	K - 4	IC2500	H - 3	IC6204	M - 4	
D2200	D - 3	D6201	J - 9	D6212	J - 9	IC5102	I - 10	IC6207	J - 10	
D2201	E - 3	D6203	L - 5	D6213	L - 8	IC5104	H - 10	IC6209	J - 8	
D5103	H - 10	D6204	K - 2	IC		IC5400	E - 10	IC6210	K - 4	
D5404	E - 11	D6210	L - 4	IC2400		J - 4	IC6202	L - 8	IC6212	L - 3

~ A Board Location Table (B Side) ~

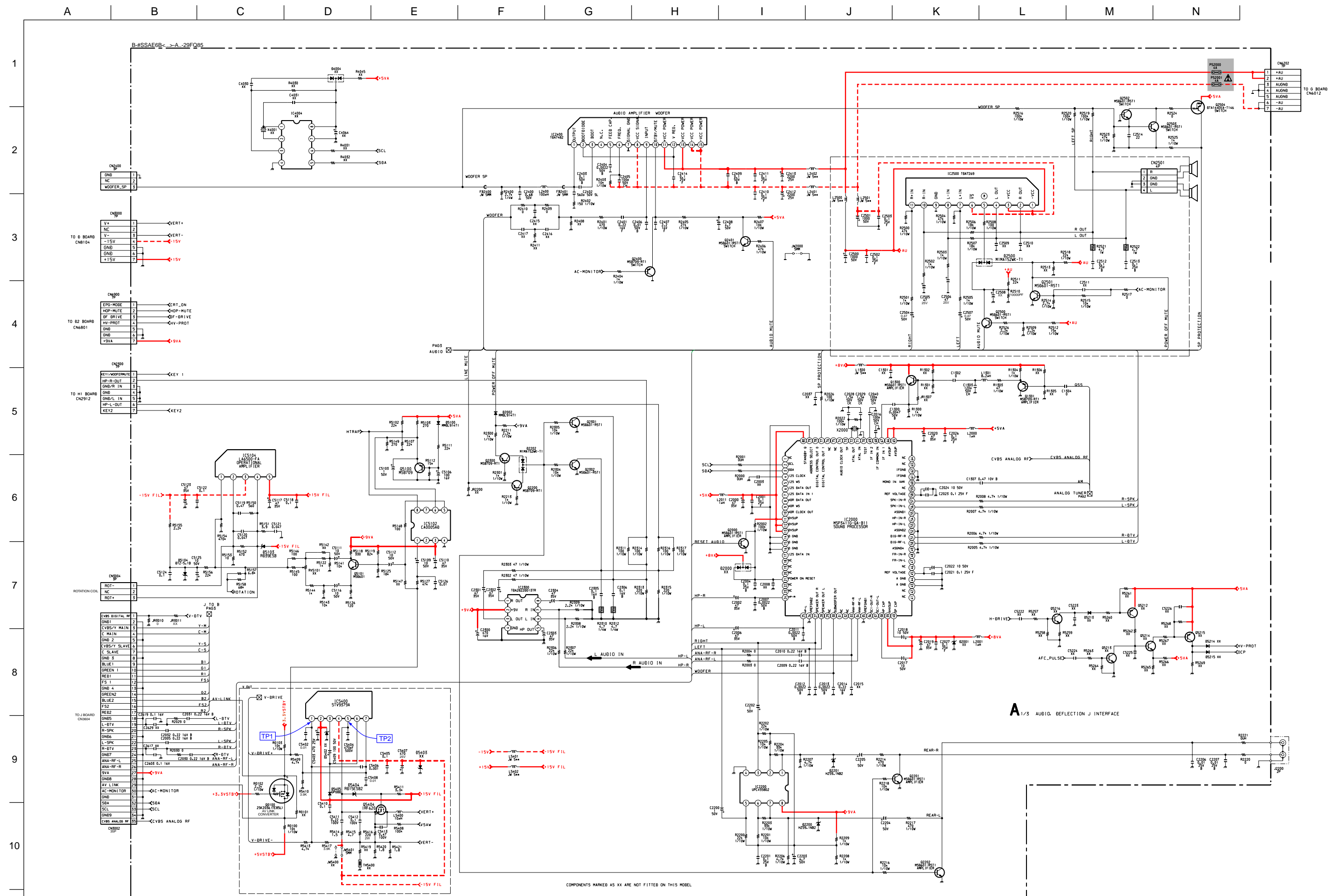
DIODE		D5206	G - 7	D6204	E - 2	IC2200	L - 4	IC6207	F - 9	Q1300	L - 2	Q2401	F - 4	Q5202	H - 4	Q5404	K - 10	
D2200	L - 3	D5207	G - 6	D6205	E - 3	IC2300	J - 3	IC6209	F - 9	Q1301	K - 2	Q2500	H - 3	Q5203	H - 4	Q6201	E - 2	
D2201	J - 4	D5208	H - 6	D6206	D - 3	IC2400	G - 4	IC6210	F - 4	Q2000	J - 3	Q2501	H - 3	Q5204	G - 7	Q6202	E - 3	
D2202	J - 4	D5209	G - 7	D6207	D - 3	IC2500	H - 3	IC6211	E - 5	Q2200	I - 4	Q2502	H - 4	Q5205	F - 6	Q6203	E - 3	
D2500	H - 3	D5210	G - 6	D6208	D - 3	IC5102	G - 10	IC6212	E - 4	Q2201	L - 3	Q2503	H - 4	Q5206	H - 7	Q6204	E - 3	
D5100	G - 10	D5211	G - 6	D6210	D - 3	IC5104	H - 10	TRANSISTOR		Q2202	L - 3	Q2504	H - 4	Q5207	H - 6	Q6205	E - 2	
D5104	H - 9	D5404	K - 10	D6213	D - 8	IC5400	K - 10	Q0100	K - 6	Q2300	I - 4	Q5100	G - 10	Q5208	G - 7	Q6206	E - 2	
D5200	F - 7	D5405	L - 10	D6214	E - 4	IC6200	E - 5	Q0200	K - 7	Q2301	I - 4	Q5101	F - 10	Q5209	H - 6	Q6207	E - 2	
D5202	F - 6	D6201	F - 9	IC		IC6202	D - 8	Q0201	K - 7	Q2302	J - 4	Q5200	F - 6	Q5210	G - 6	Q6208	E - 3	
D5205	G - 7	D6203	D - 5	IC2000		K - 4	IC6204	E - 4	Q1100	M - 2	Q2400	F - 4	Q5201	F - 6	Q5211	G - 6	Q6209	E - 4

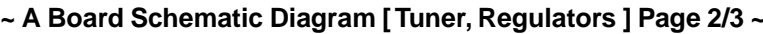
~ A Board Semiconductor Voltage Table ~

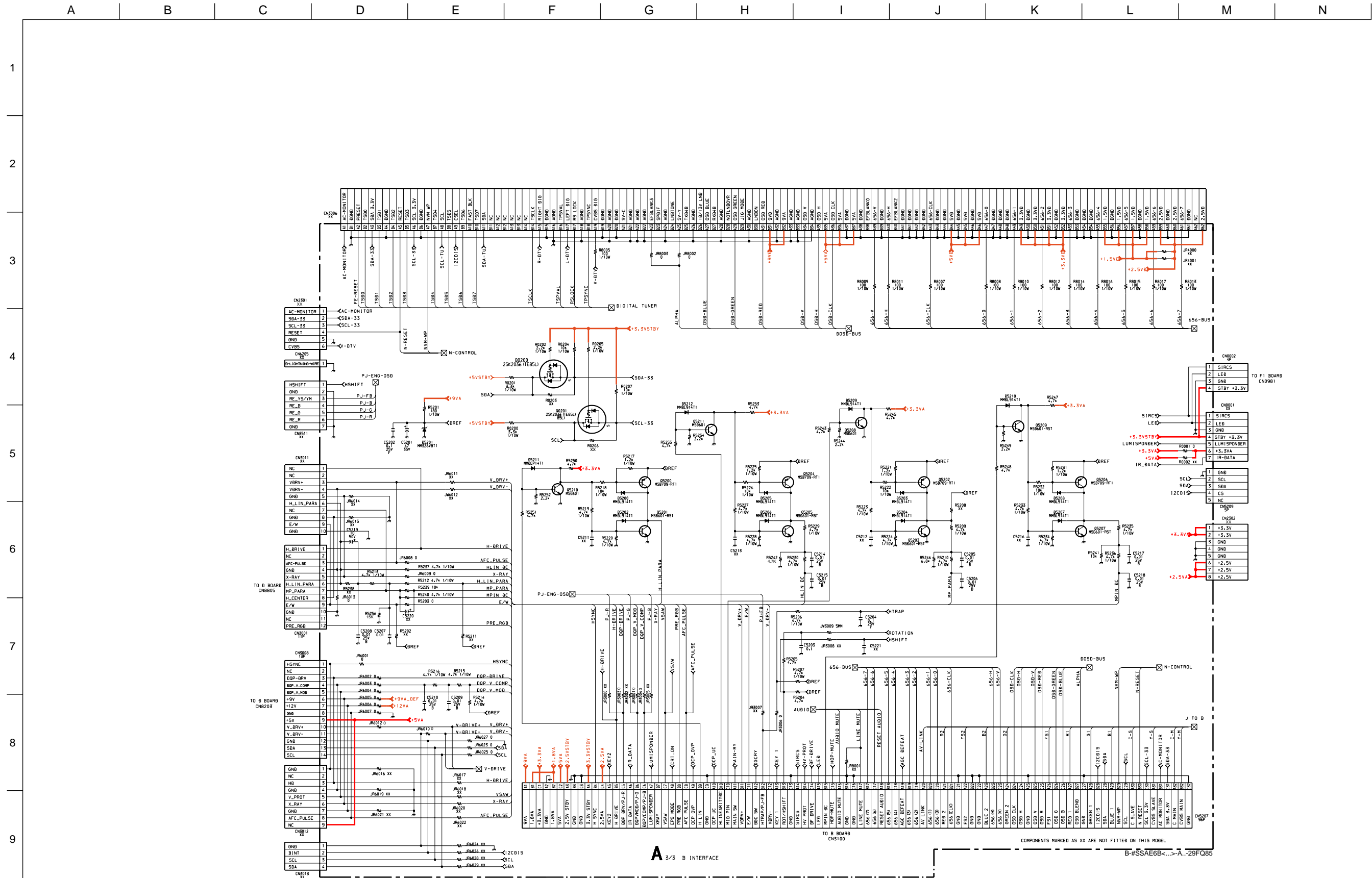
Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q1100	0	0	4.5	Q2202	0	0.4	0	Q2500	0.1	0.1	0.6	Q5101	0.8	1.4	6.8	Q5208	0	0	1.5	Q6202	3.4	3.4	0
Q1300	2.7	2.1	8.4	Q2300	0	0	0.7	Q2501	0	0.6	0	Q5200	6.8	6.3	3.0	Q5209	0	0	1.5	Q6203	0	0	3.4
Q1301	2.1	2.1	0	Q2301	0	0.4	0	Q2502	0	0	5.0	Q5201	0	0.4	3.0	Q5210	0	0	1.5	Q6204	3.4	3.4	0
Q2000	0	0	4.7	Q2302	0	0.4	0	Q2503	0	0	5.0	Q5203	0	0.4	3.0	Q5211	0	0	1.5	Q6205	3.5	2.7	3.4
Q2200	0	0	-1.6	Q2400	3.9	3.4	0	Q2504	5.0	5.0	0	Q5205	0	0.4	1.5	Q5404	0	12.1	0	Q6206	1.5	2.0	2.7
Q2201	0	0.4	0	Q2401	0	0	4.7	Q5100	2.4	1.8	0	Q5207	0	0.4	3.0	Q6201	1.5	0.6	3.4	Q6207	0	0	3.4

~ A Board IC Voltage Table ~

IC Voltage Table			IC Voltage Table			IC Voltage Table			IC Voltage Table			IC Voltage Table		
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
IC2200	1	4.5	IC2300	6	0	IC2400	12	-4.0	IC5102	2	0	IC5400	7	0.4
	2	4.5		7	0	IC2500	2	0		5	2.5	IC6202	4	1.3
	3	4.5		8	0.5		5	0.9		6	2.5		5	6.7
	5	4.5	IC2400	1	0		7	0		8	2.2	IC6207	4	1.3
	6	4.5		2	-4.0		8	0	IC5104	1	14.6		5	6.7
	7	4.5		3	10.0		9	0	IC5400	1	0.4	IC6209	4	1.3
IC2300	1	4.0		5	0		10	0		3	-12.3		5	6.7
	3	4.0		6	-13.2		11	0		5	0	IC6212	4	5.1
	5	0.5		10	3.9	IC5102	1	17.1		6	15.7		5	0

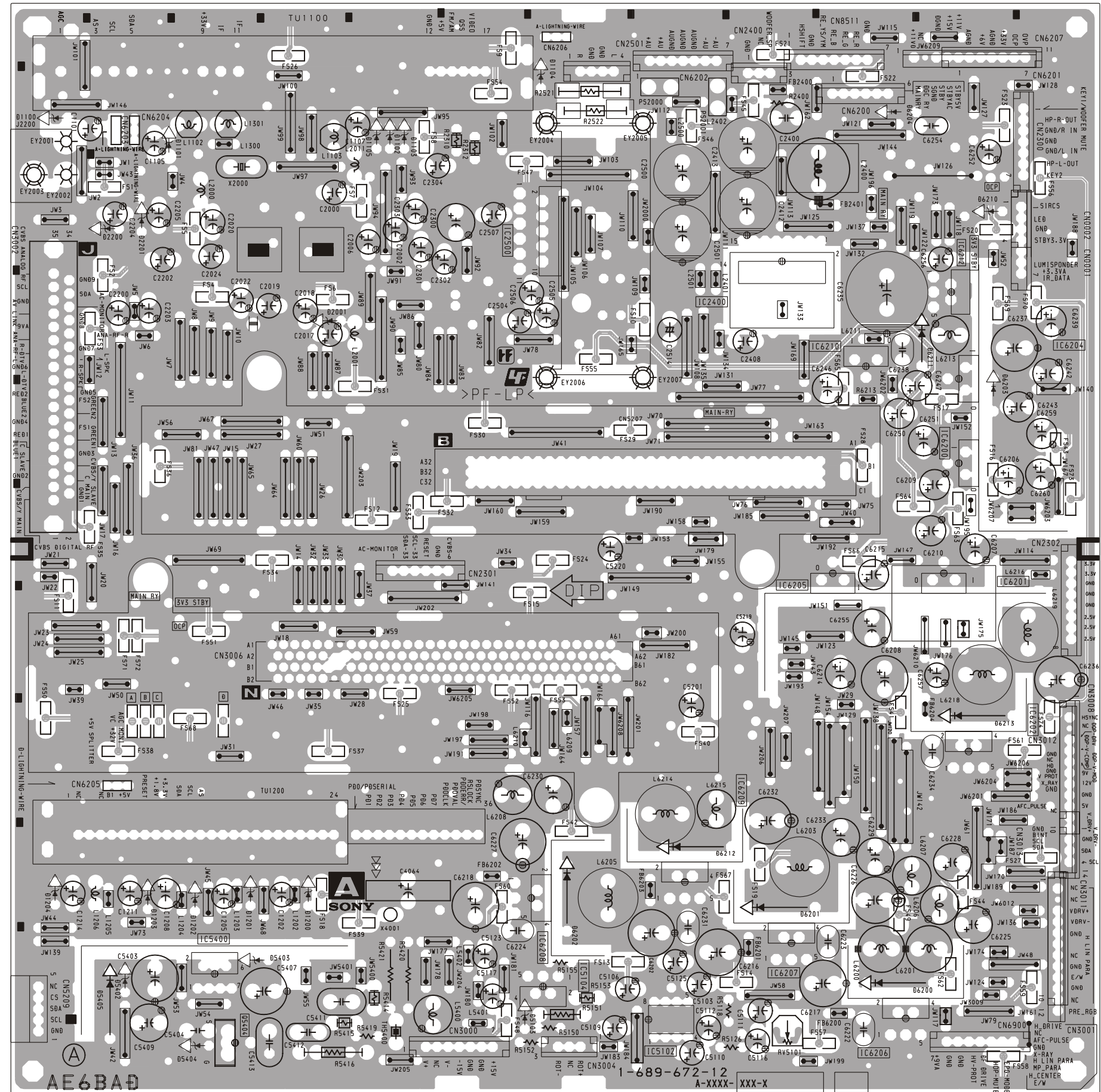






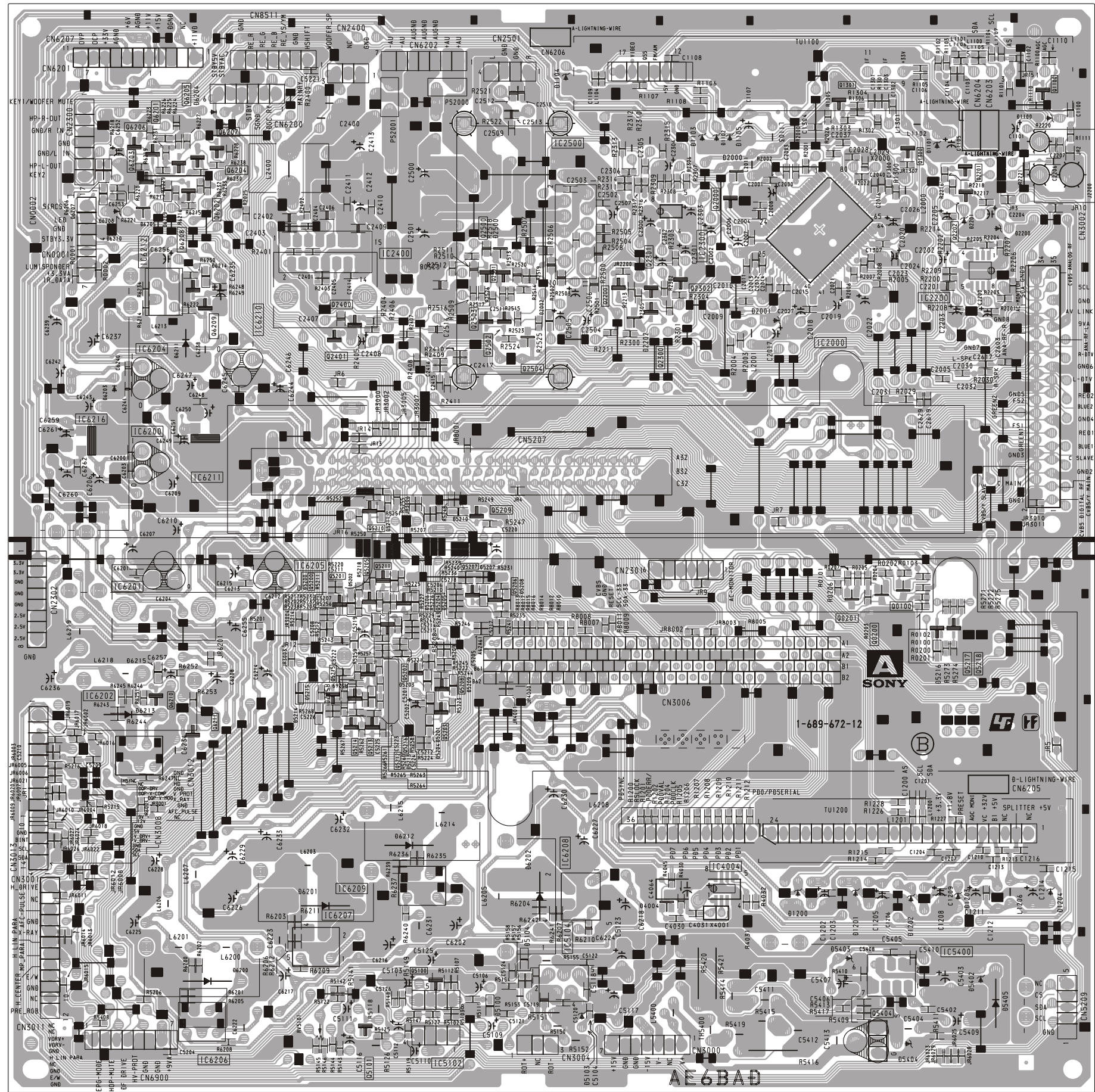
A B C D E F G H I J K L M N

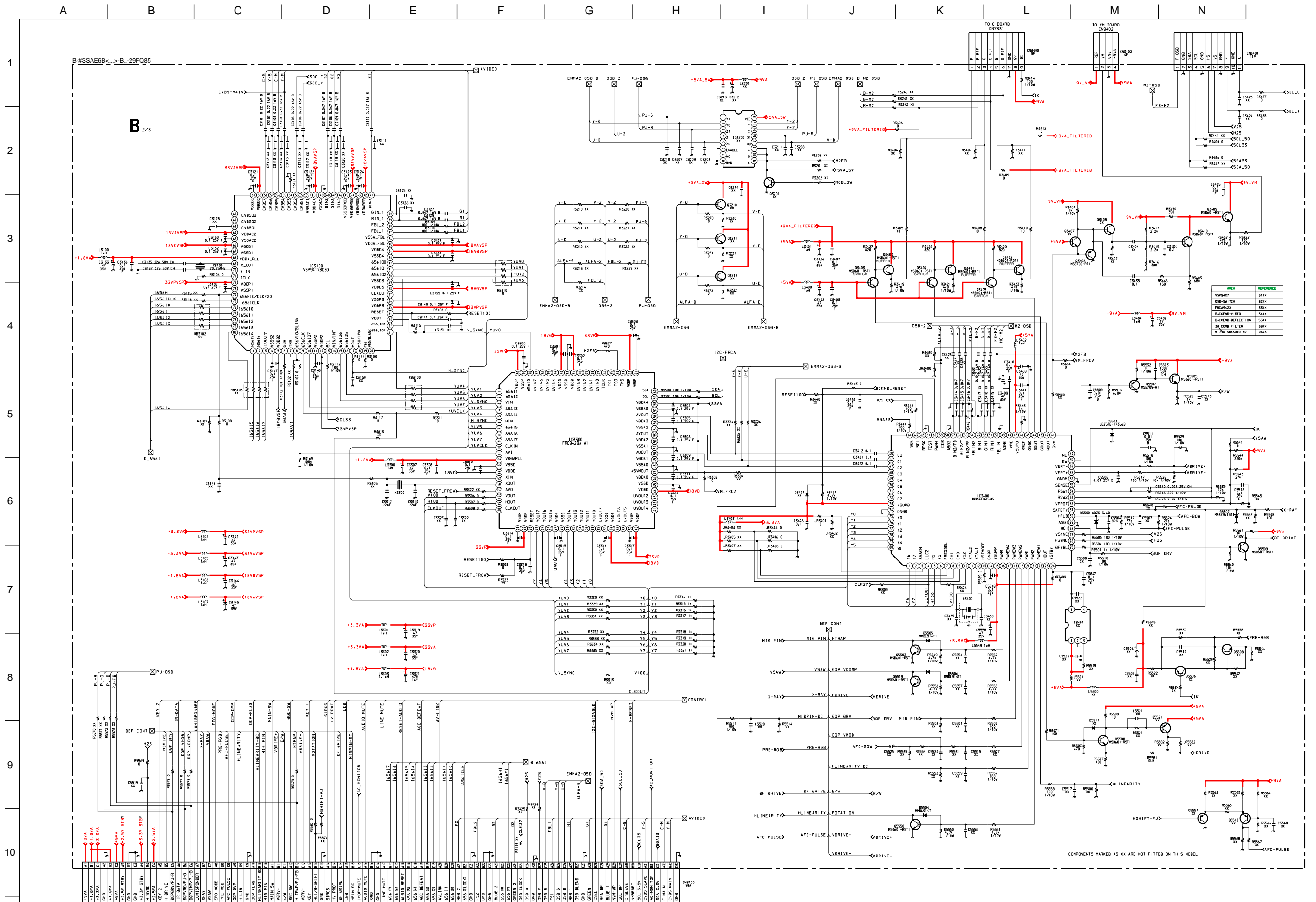
~ A Printed Wiring Board Conductor side A ~

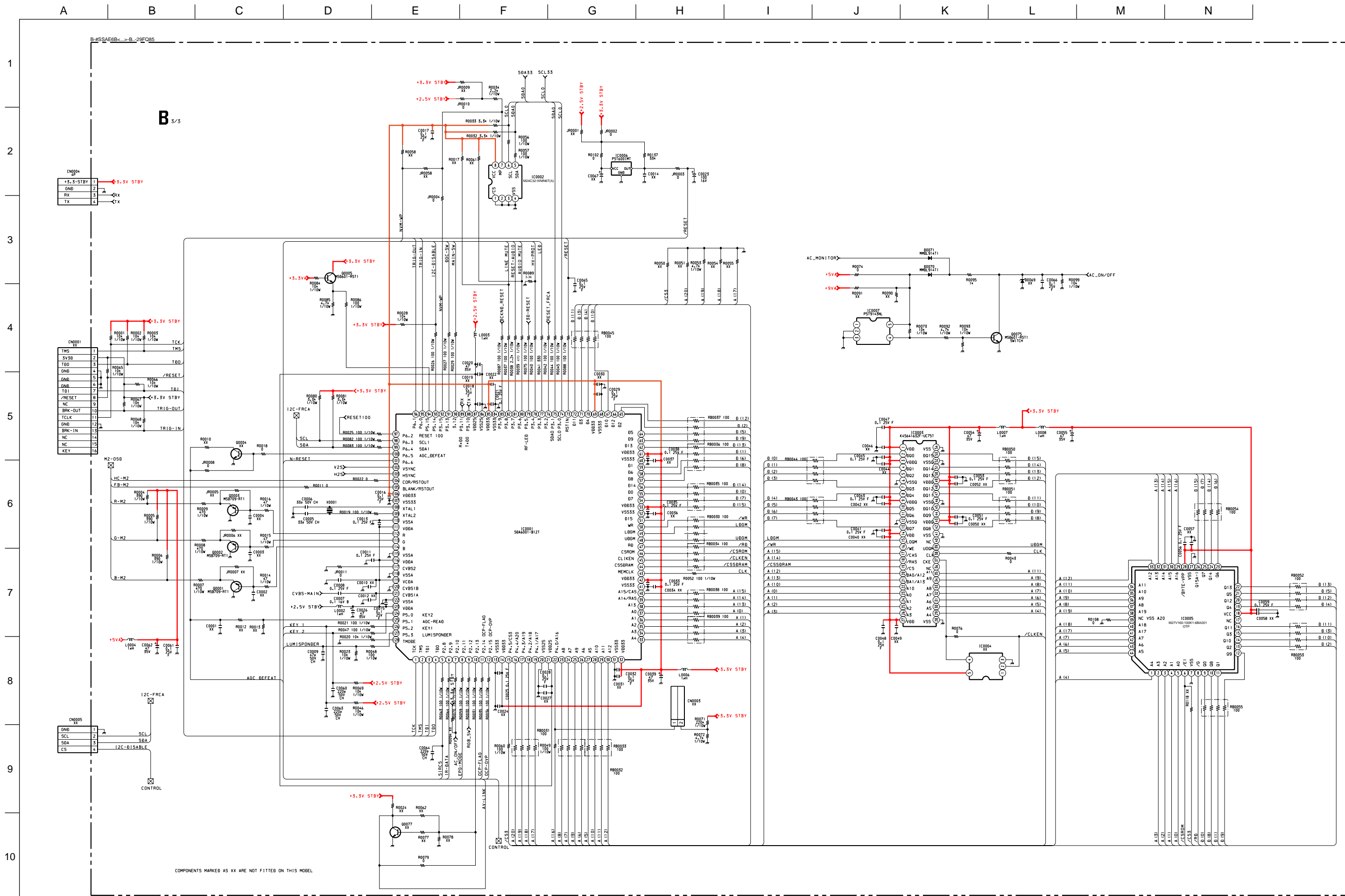


A B C D E F G H I J K L M N

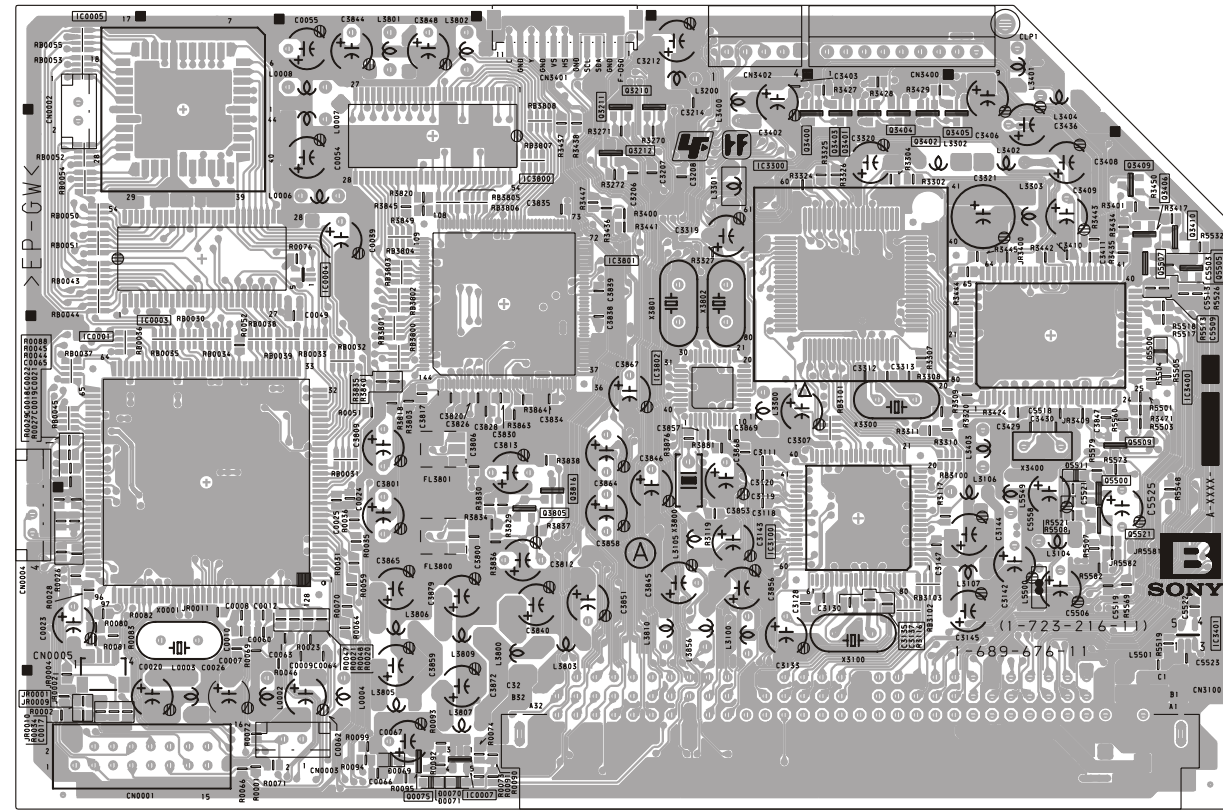
~ A Printed Wiring Board Conductor side B ~



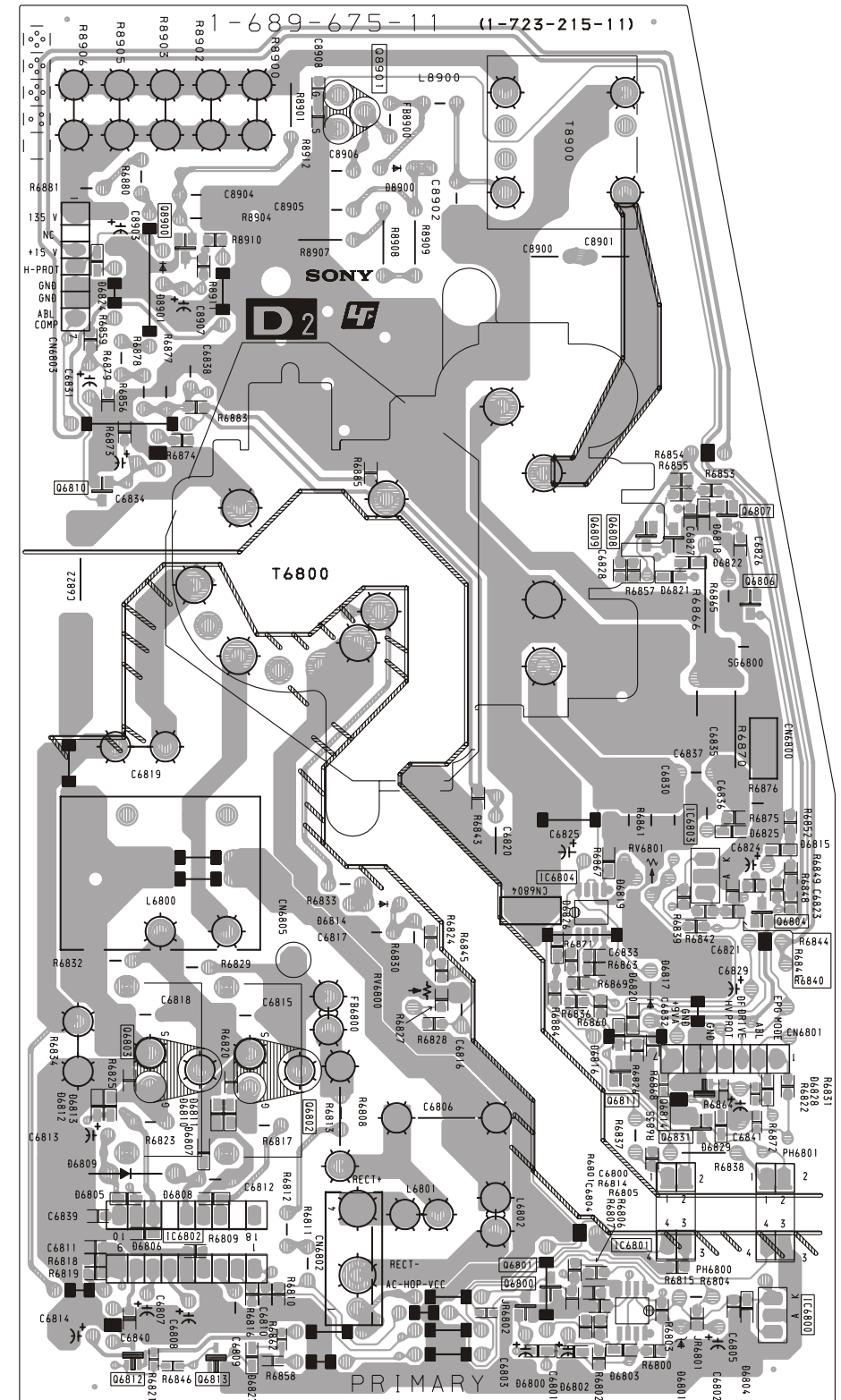
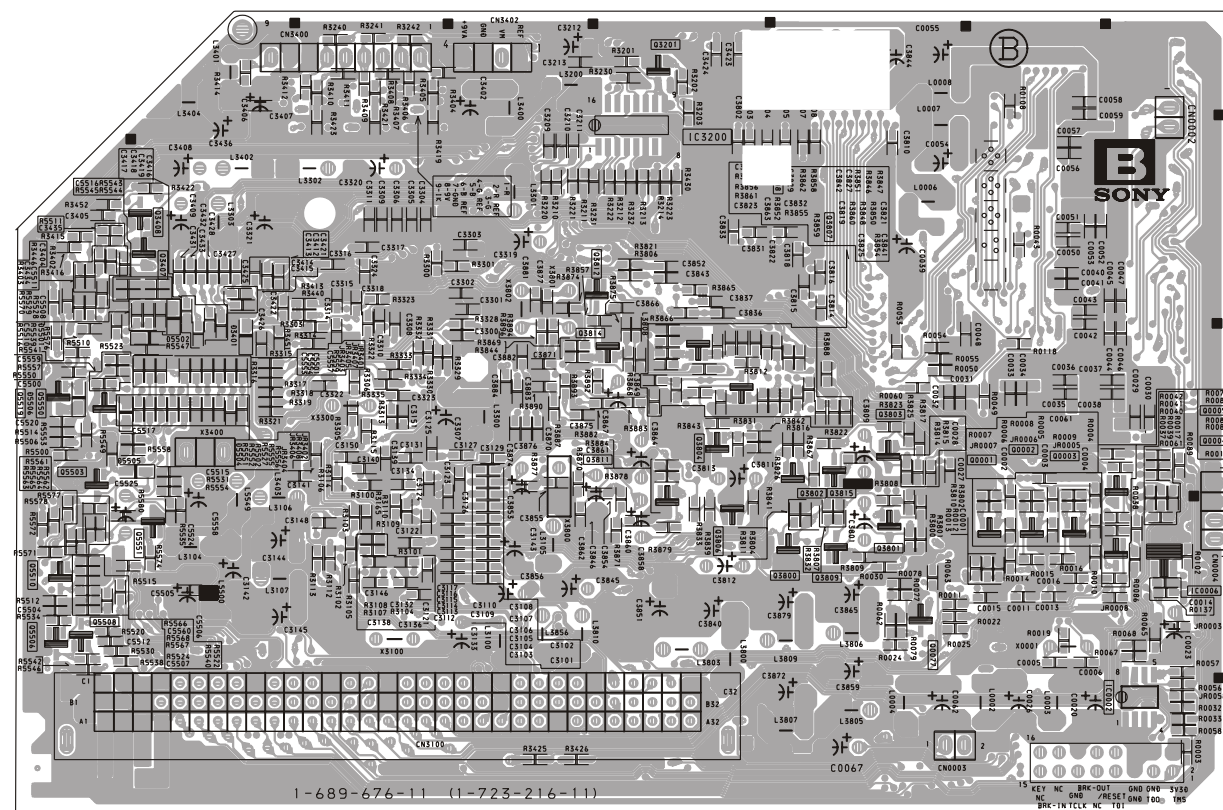




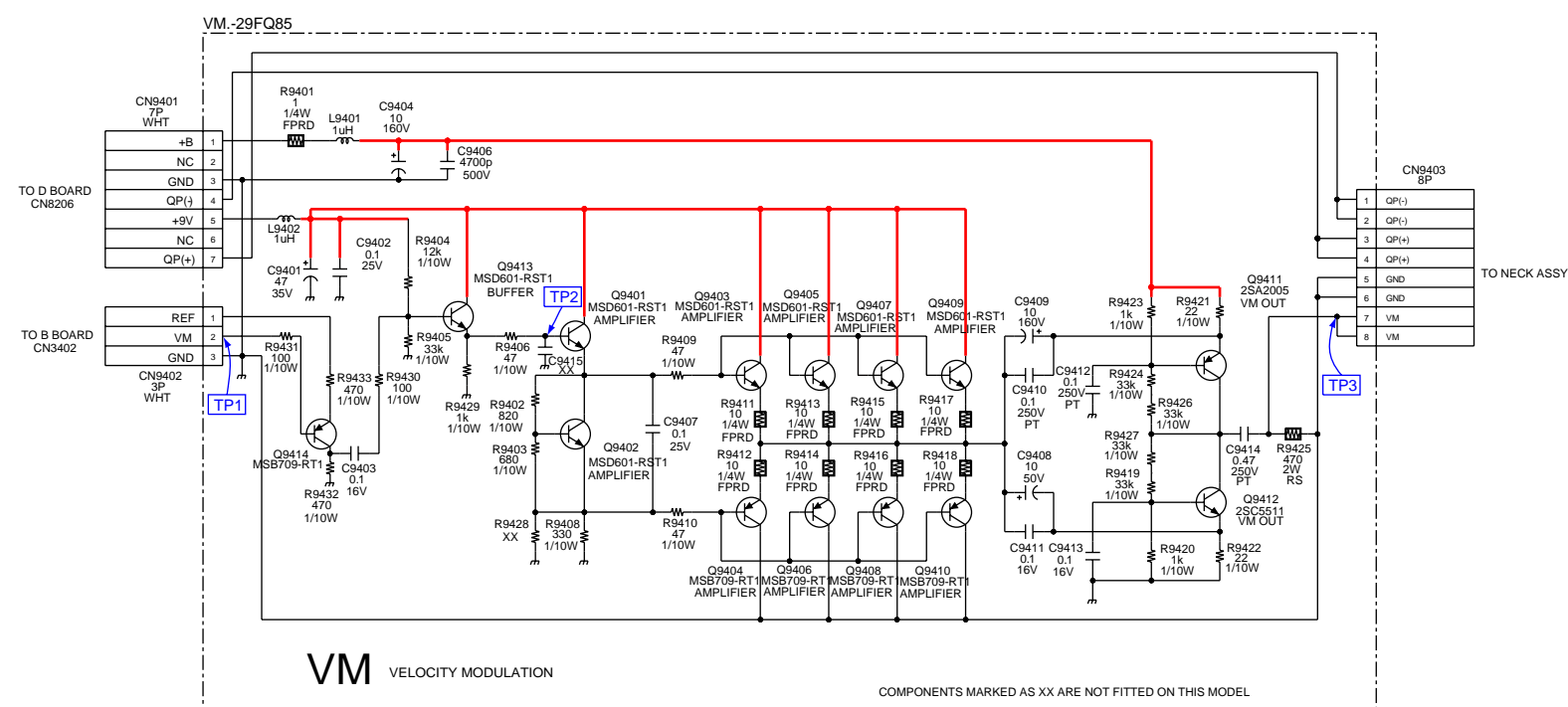
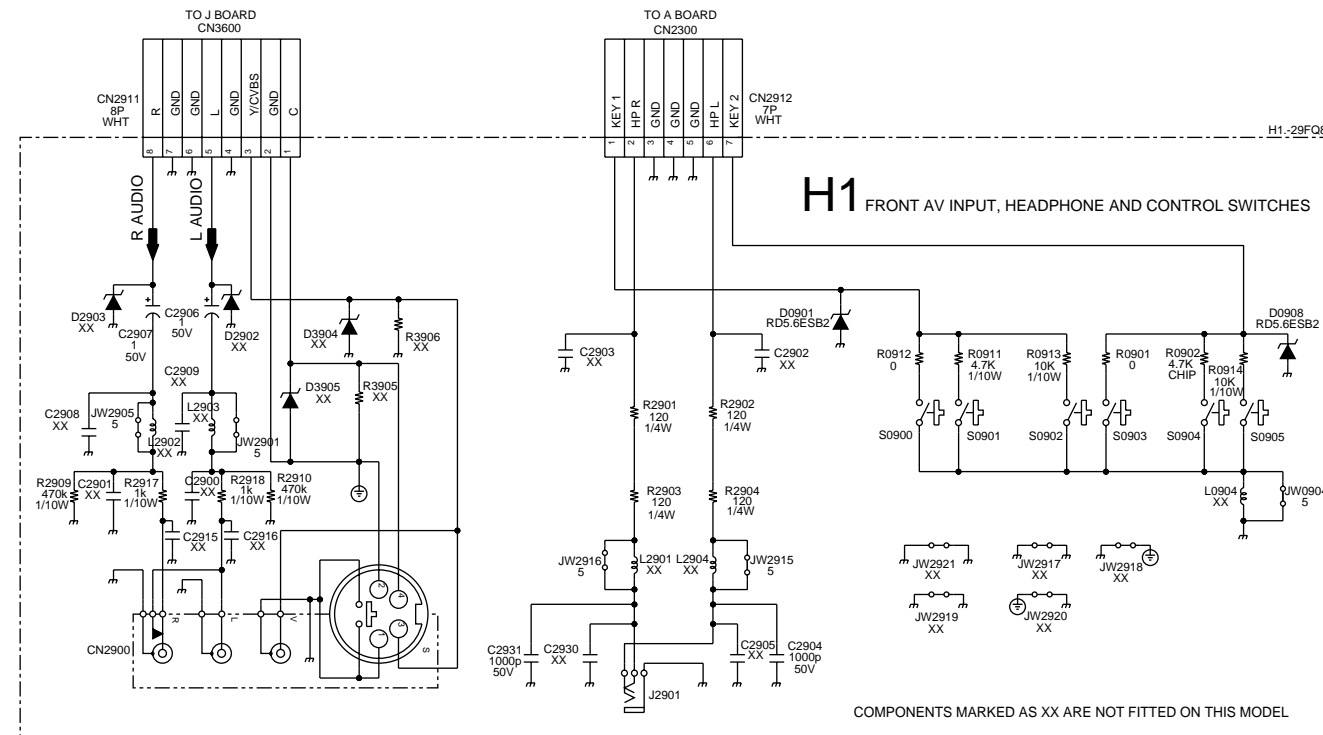
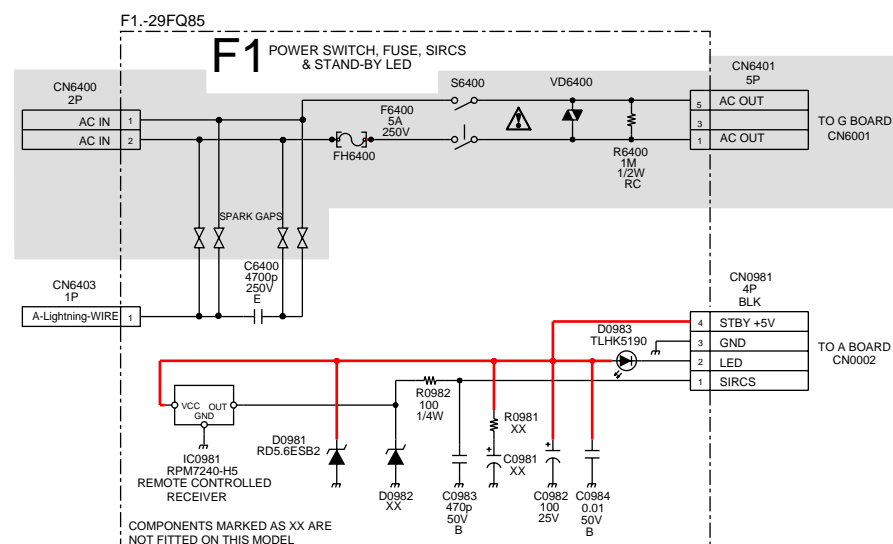
~ B Printed Wiring Board Conductor side A ~



~ B Printed Wiring Board Conductor side B ~



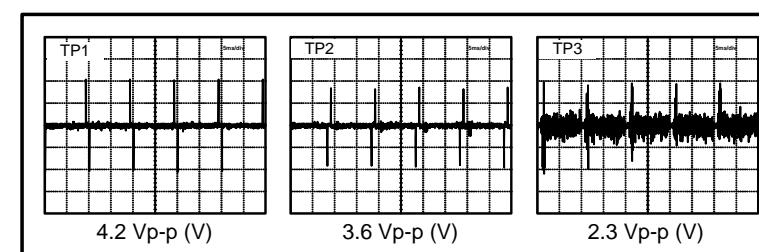
~ D2 Printed Wiring Board Conductor side ~

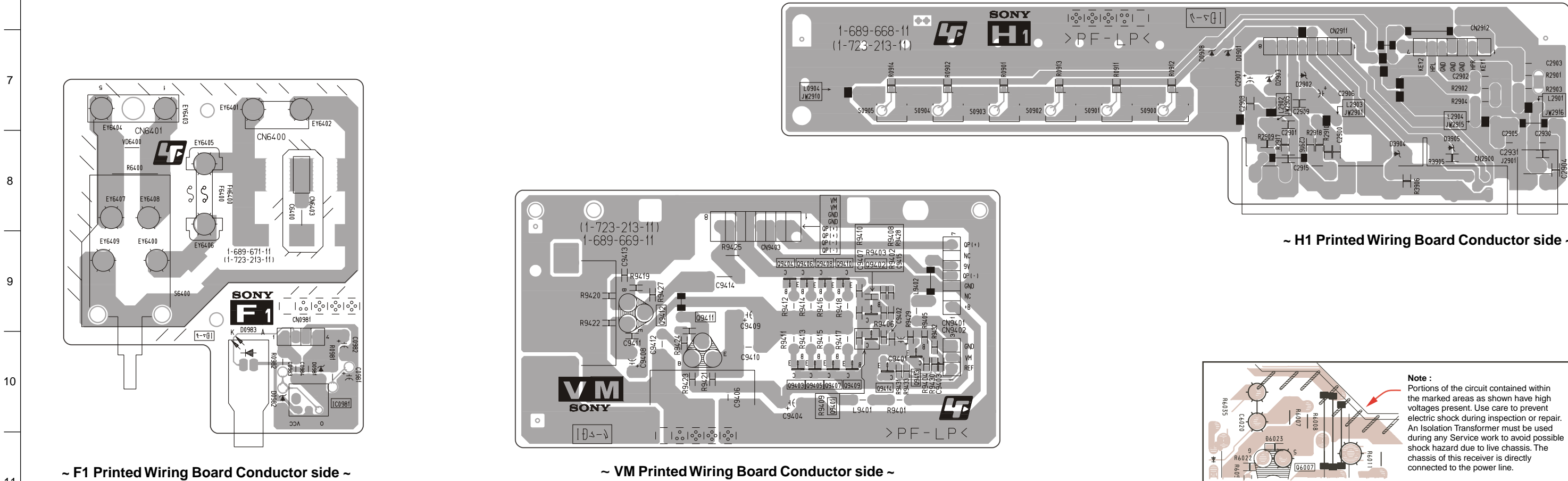
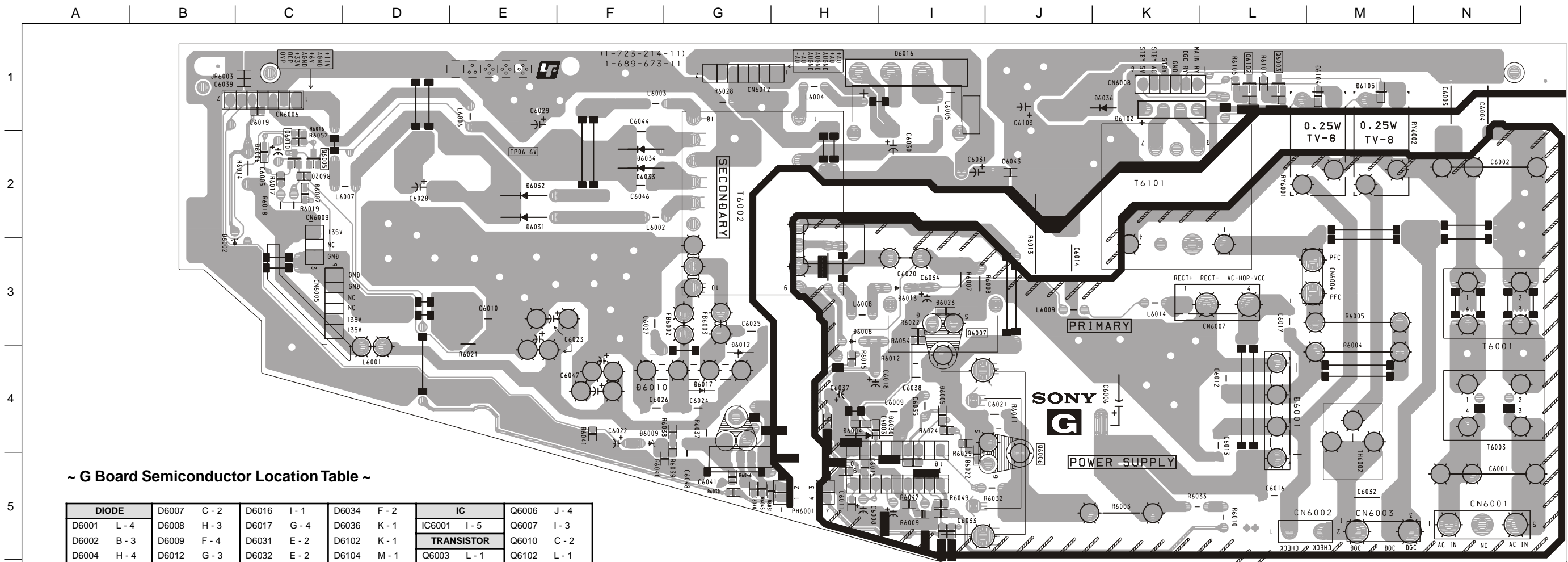


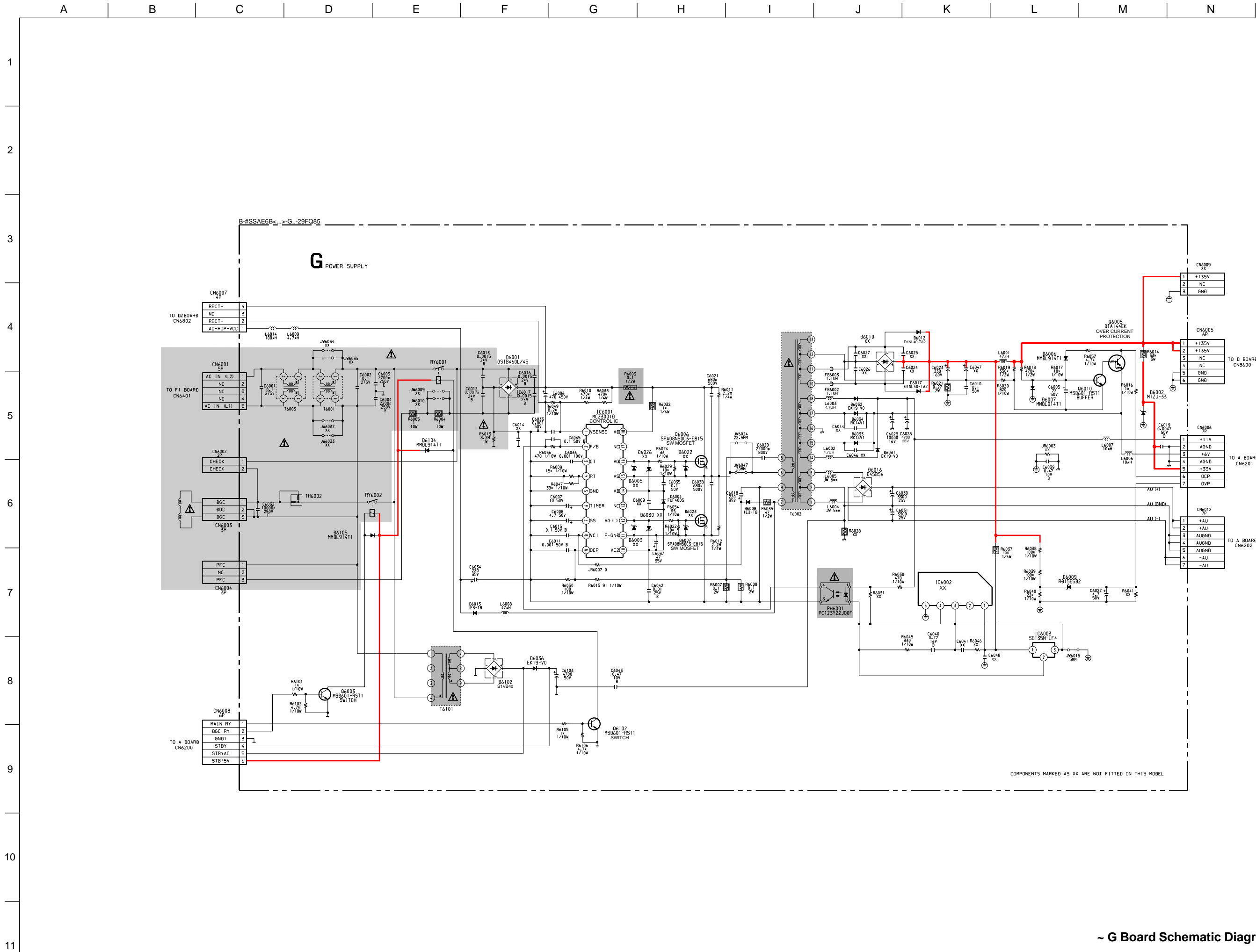
~ VM Board Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q9401	5.1	5.7	8.9	Q9408	4.3	3.6	0
Q9402	3.4	4.3	5.1	Q9409	4.4	5.1	8.9
Q9403	4.4	5.1	8.9	Q9410	4.3	3.6	0
Q9404	4.3	3.6	0	Q9411	4.3	3.6	0
Q9405	4.4	5.1	8.9	Q9412	135.1	1.4.6	70.2
Q9406	4.3	3.6	0	Q9413	0.3	0.9	70.2
Q9407	4.4	5.1	8.9	Q9413	6.6	5.9	2

~ VM Board Waveforms ~

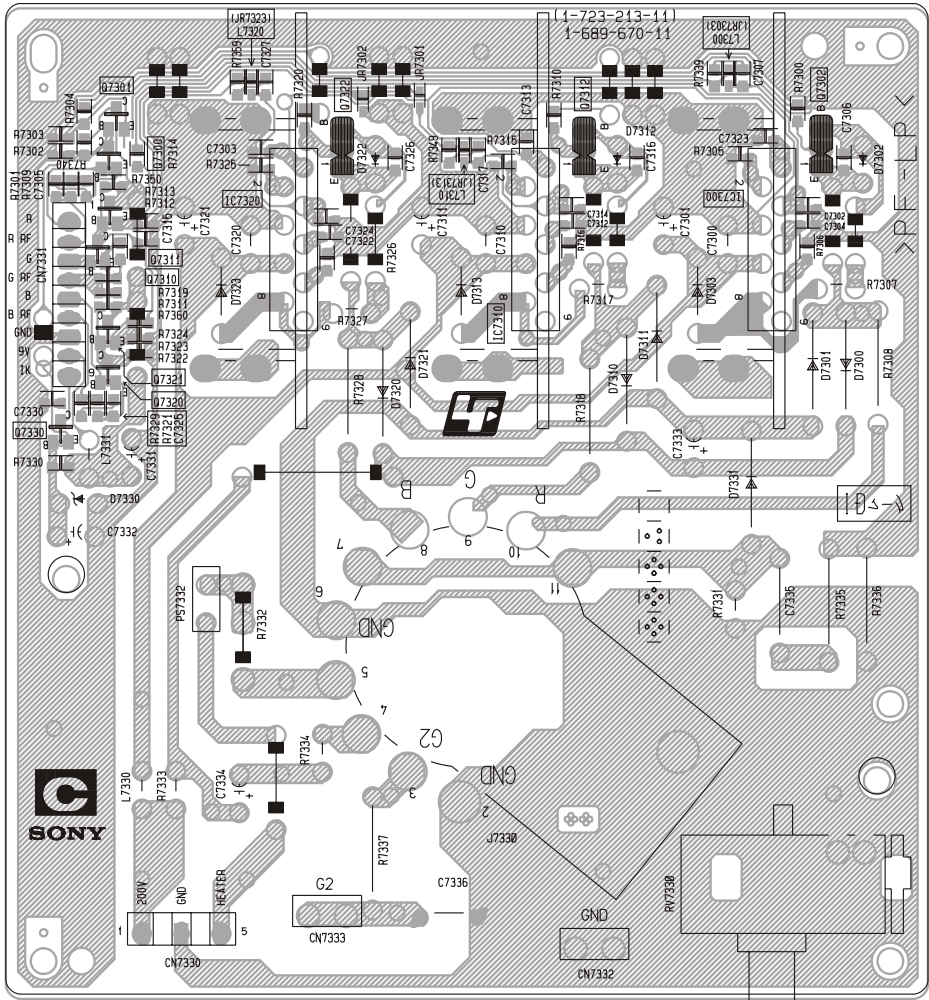




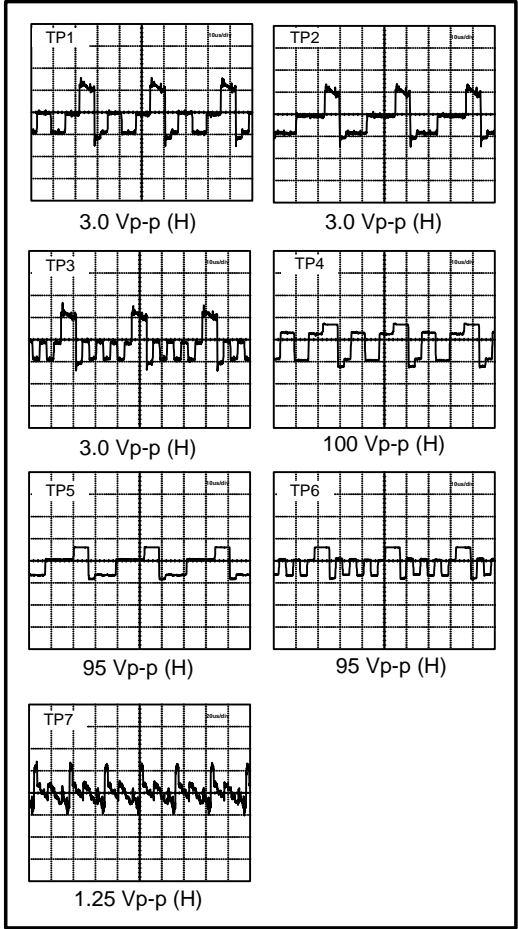


~ G Board Schematic Diagram [Power Supply] ~

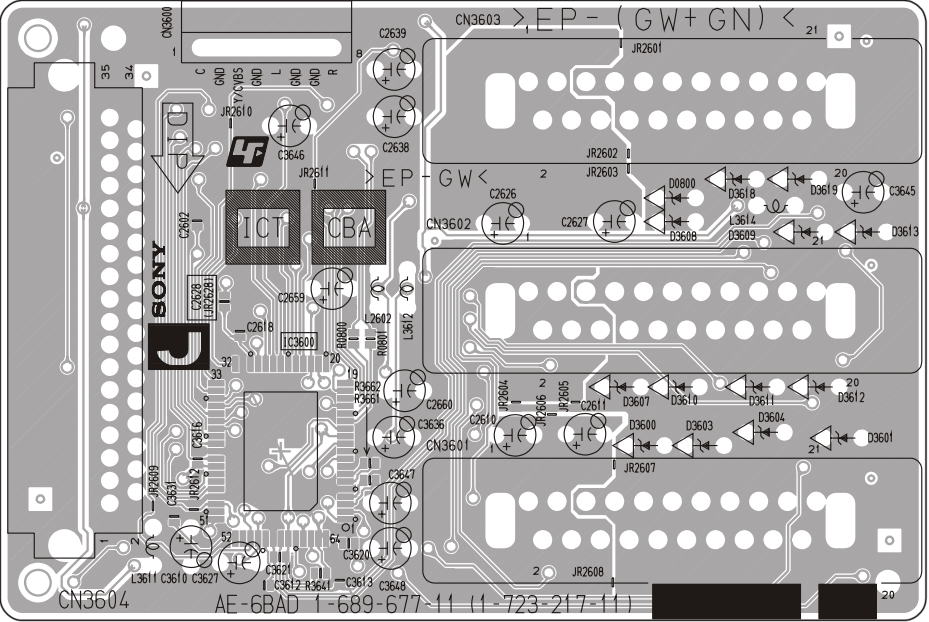
~ C Printed Wiring Board Conductor side ~



~ C Board Waveforms ~



~ J Printed Wiring Board Conductor side A ~



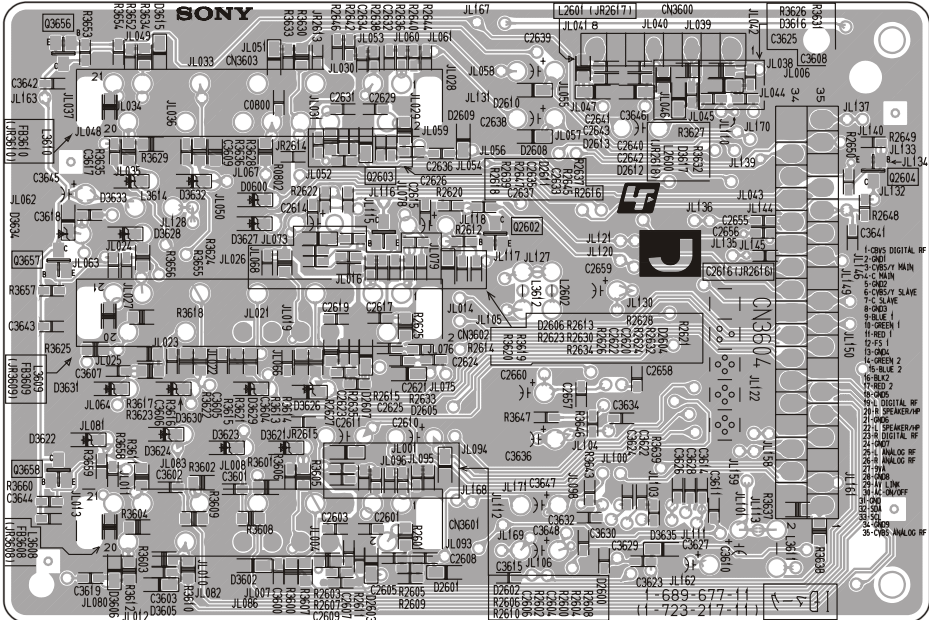
~ C Board Semiconductor Voltage Table ~

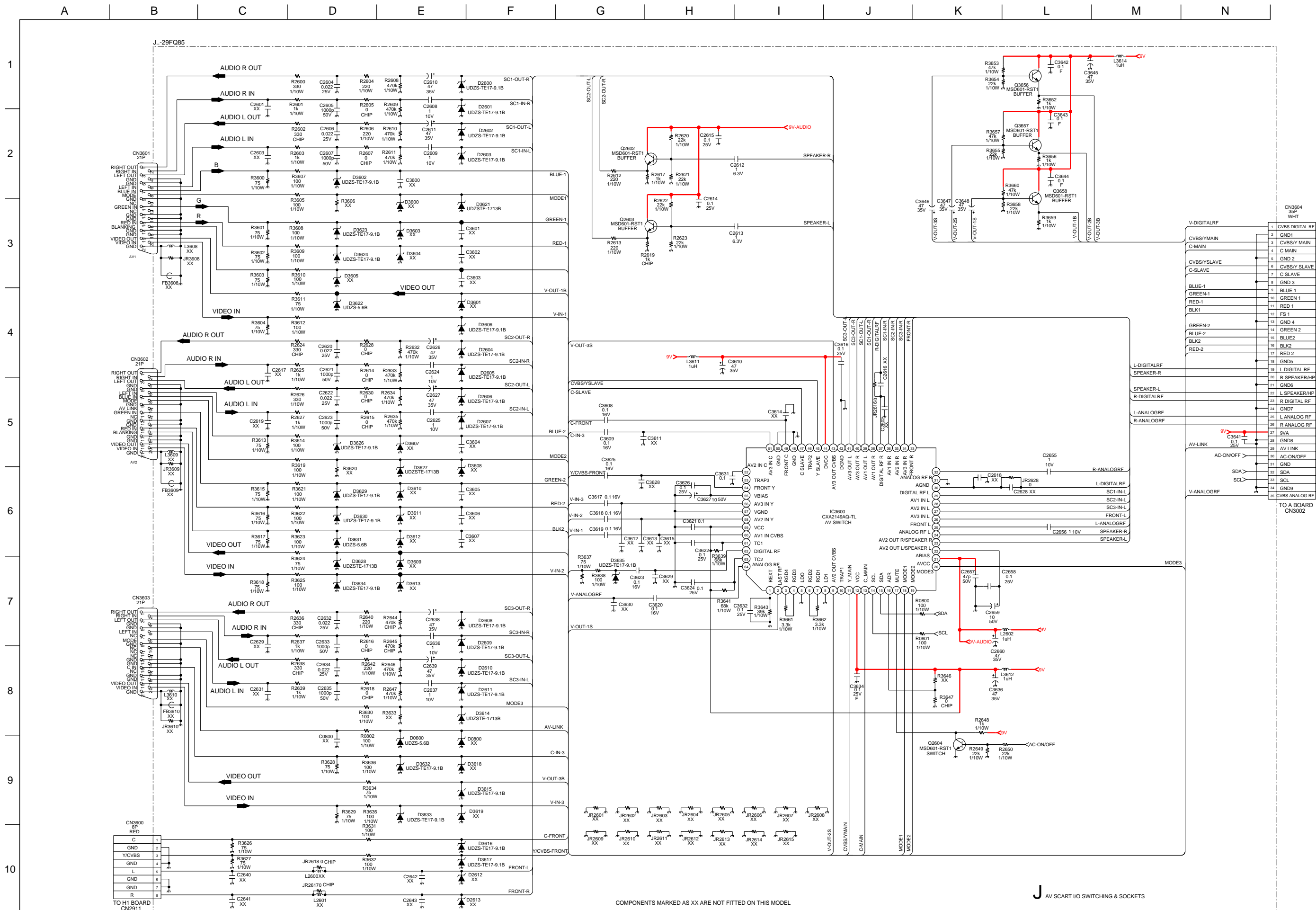
Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q7300	7.5	6.9	2.4	Q7312	149.5	149.56	3.8
Q7301	1.8	2.4	8.9	Q7320	7.6	6.9	2.3
Q7302	145.9	147.8	4.0	Q7321	1.7	2.3	8.9
Q7310	7.6	7.0	2.2	Q7322	148.4	150.6	3.8
Q7311	1.6	2.2	8.9	Q7330	3.6	3.2	0

~ C Board IC Voltage Table ~

IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC7300	1	5.3
	2	21.9
	3	1.9
	5	5.9
	6	205.4
IC7310	8	147.6
	1	5.1
	2	0
	3	1.7
	5	5.6
IC7320	6	205.4
	8	149.5
	1	5.1
	2	0
	3	1.8
IC7330	5	4.8
	6	205.4
	8	150.4

~ J Printed Wiring Board Conductor side B ~

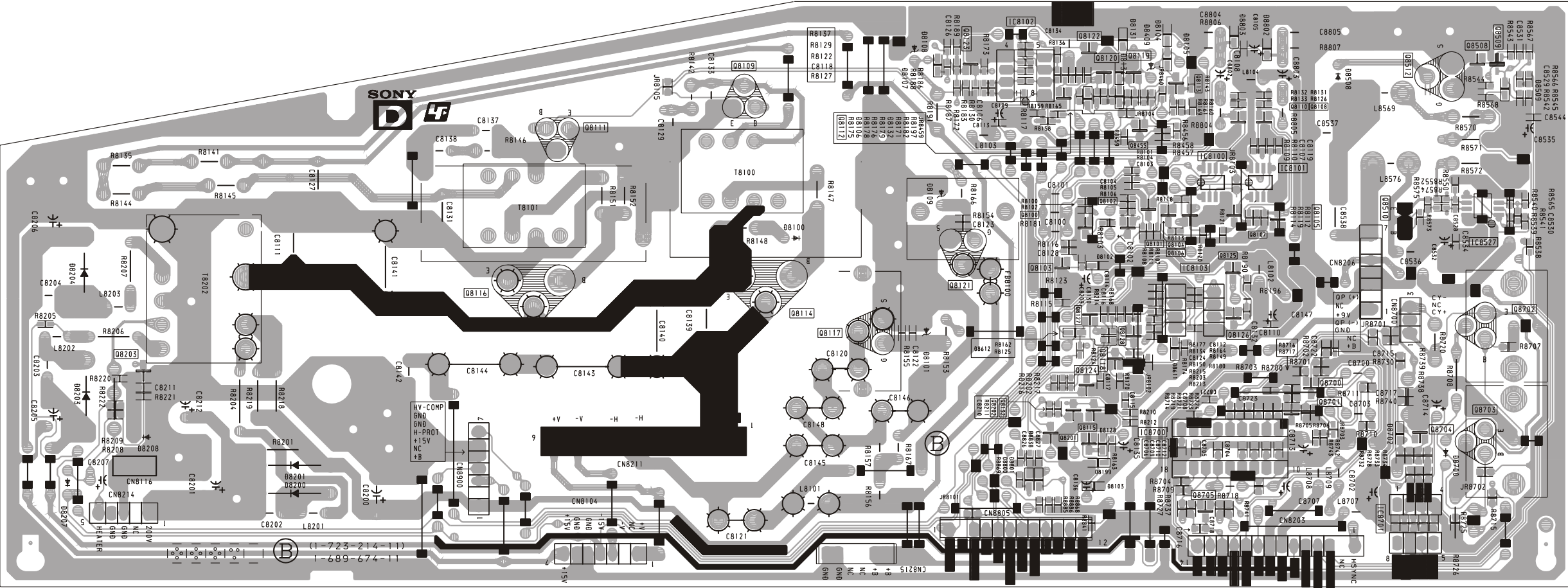




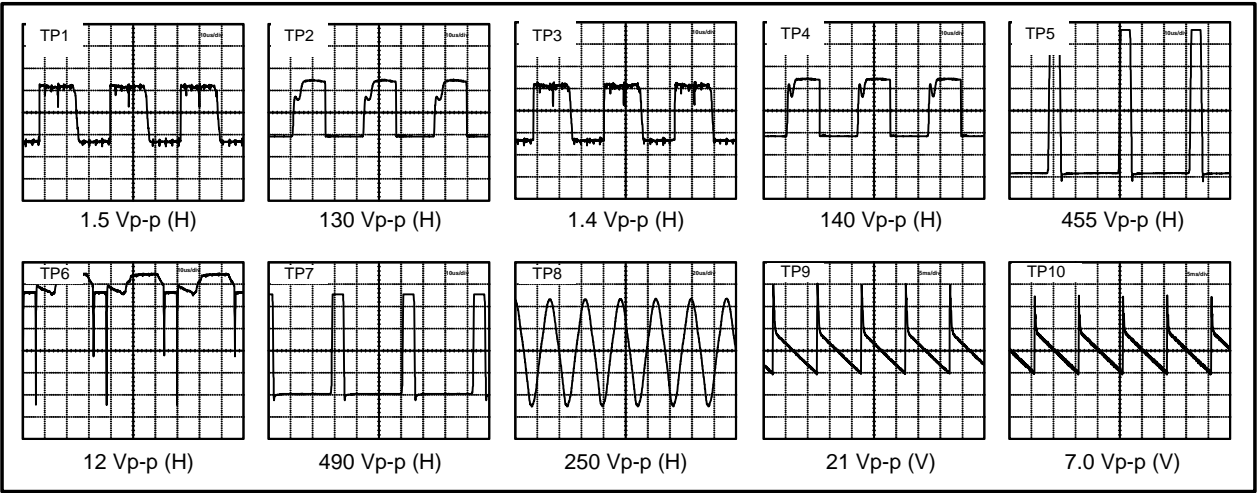
~ J Board Schematic Diagram [AV Scart I/O Switching and Sockets] ~

A B C D E F G H I J K L M N

~ D Printed Wiring Board Conductor side ~



~ D Board Waveforms ~



~ D Board IC Voltage Table ~

IC Voltage Table			IC Voltage Table		
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
IC8100	1	0.3	IC8102	1	3.8
	2	3.9		2	0.4
	3	3.9		3	0.4
	5	3.9		5	0.4
	6	3.6		6	0.4
	7	0.4		7	0.4
IC8101	1	0.3	IC8103	1	2.5
	2	3.9		2	1.7
	3	3.2		3	1.7
	5	3.2		5	0.9
	6	3.6		6	3.6
	7	3.5		7	1.1

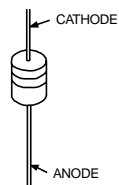
~ D Board Semiconductor Voltage Table ~

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q8100	0	0	3.0	Q8110	2.4	3.7	0	Q8125	1.2	1.1	8.9
Q8101	0	0	3.9	Q8111	0	0	62.9	Q8126	1.2	1.1	0
Q8102	0	1.0	3.6	Q8113	0.4	0	8.9	Q8127	1.1	1.5	0
Q8103	3.9	0	8.9	Q8115	8.6	8.9	0	Q8128	3.4	1.5	8.9
Q8104	0	0.3	3.7	Q8118	0	0	3.6	Q8132	0	0	3.6
Q8105	0	3.5	0.3	Q8119	1.2	0.5	0	Q8201	0	0.6	3.7
Q8106	0	0.3	3.9	Q8120	1.3	0.5	0	Q8202	0	0.9	3.7
Q8107	0	0.3	3.9	Q8121	0	1.2	135.2	Q8455	1.2	1.7	8.9
Q8108	2.4	0.3	0	Q8122	0.5	1.4	0	Q8510	8.1	7.5	0.4
Q8109	0	0	58.0	Q8123	0.5	1.3	0	Q8512	0	5.3	32.6

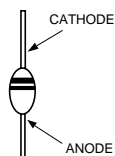
5-4. SEMICONDUCTORS

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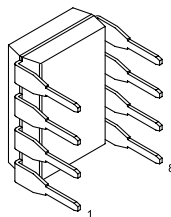
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RD5.6ESB2
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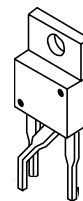
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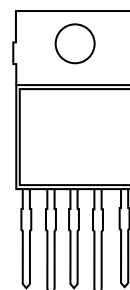
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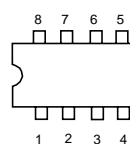
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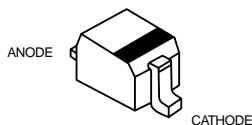
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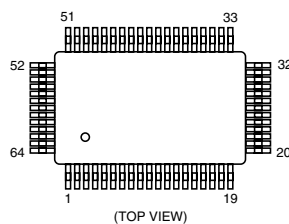
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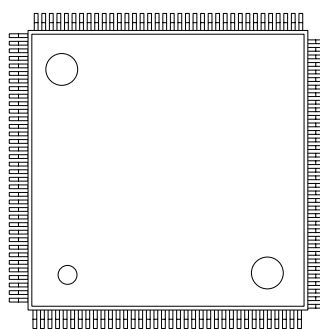
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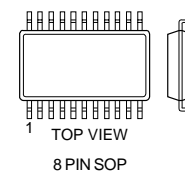
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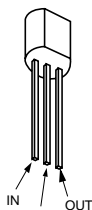
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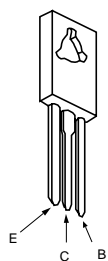
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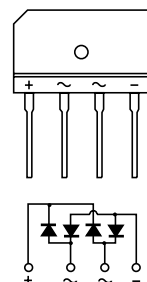
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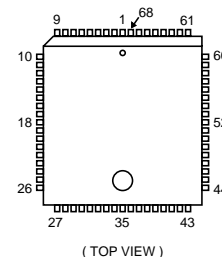
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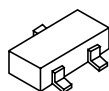
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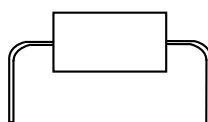
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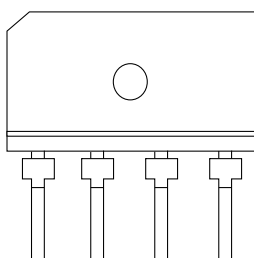
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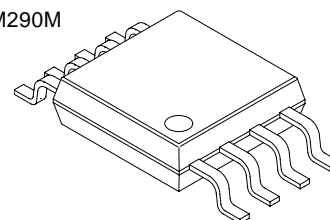
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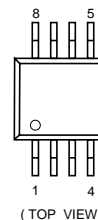
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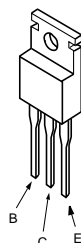
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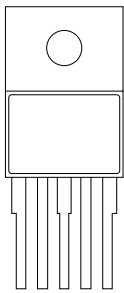
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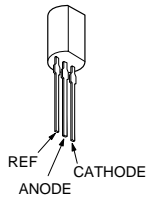
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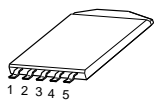
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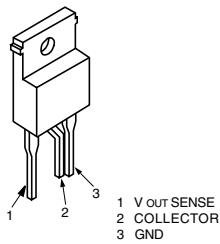
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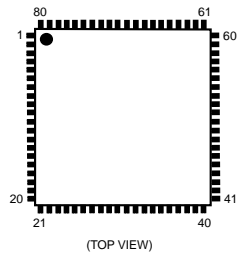
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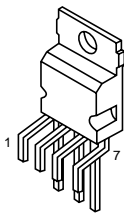
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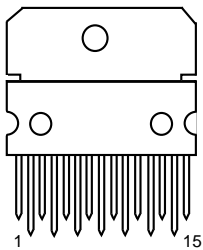
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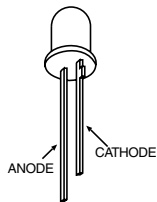
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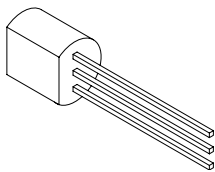
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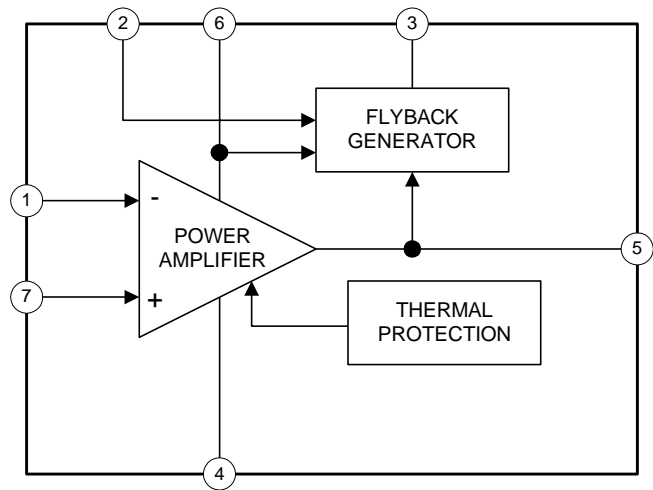


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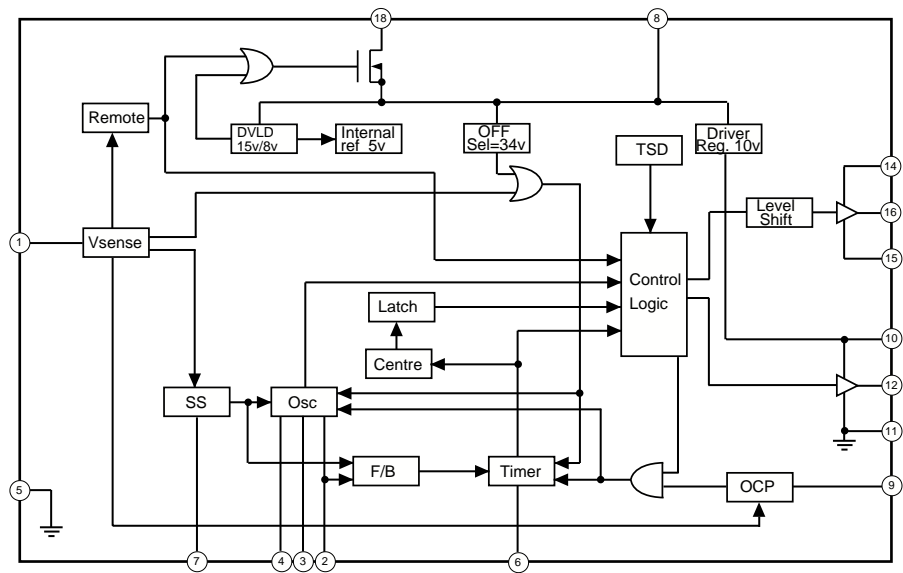


5-5. IC BLOCK DIAGRAMS

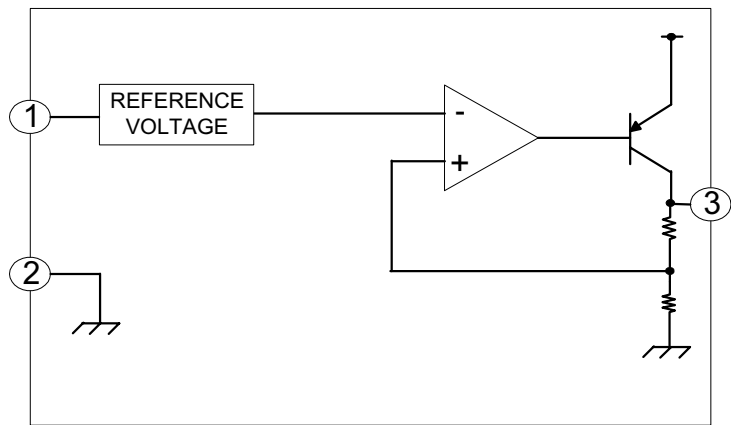
A BOARD IC5400 STV9379A



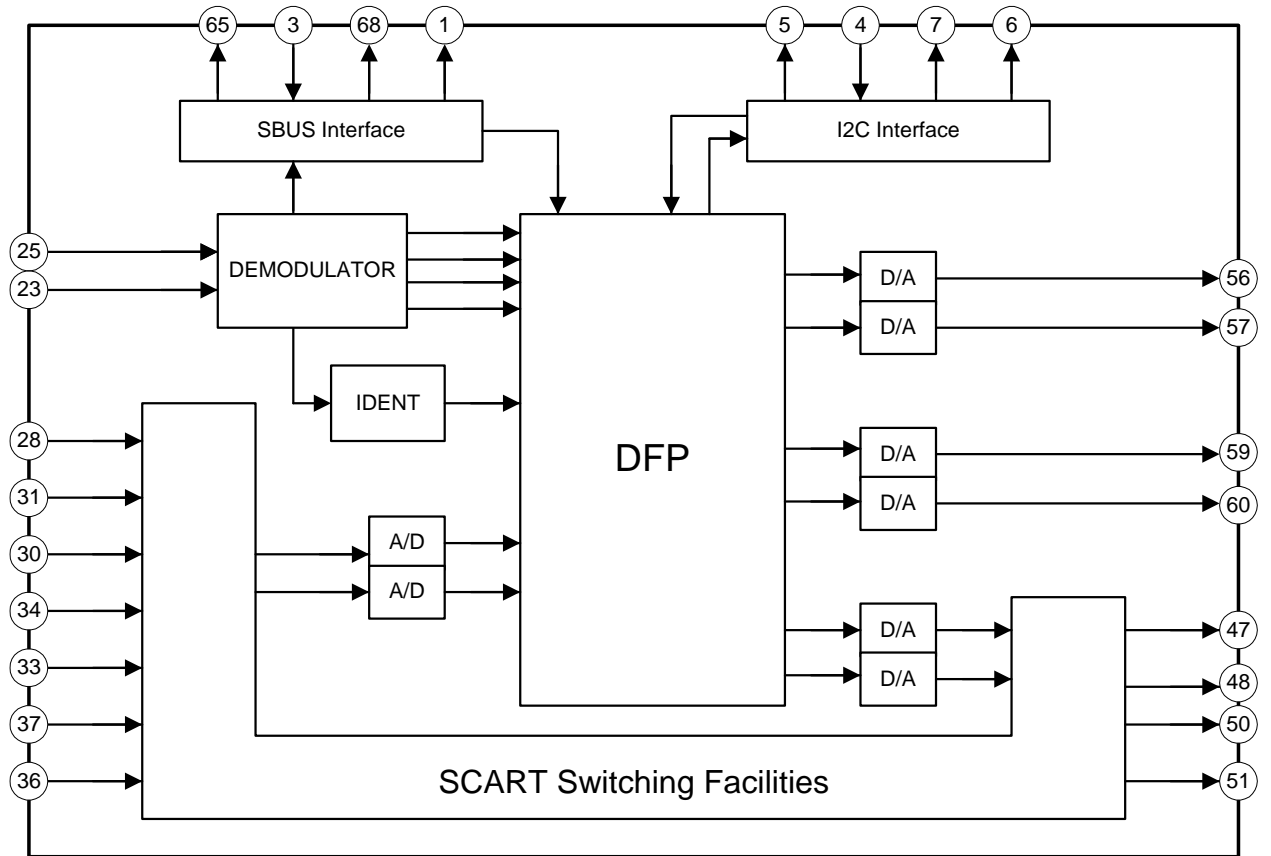
G BOARD IC6001 MCZ3001D



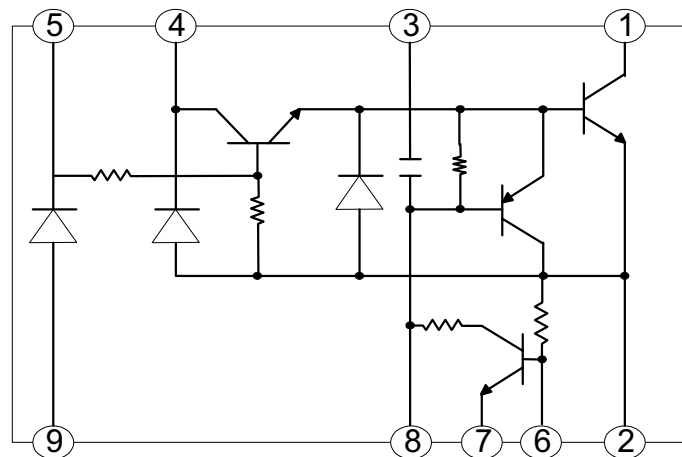
A BOARD IC6210 BA033T



A BOARD IC2000 MSP3411G



G BOARD IC6003 SE135N-LF4



SECTION 6 EXPLODED VIEWS

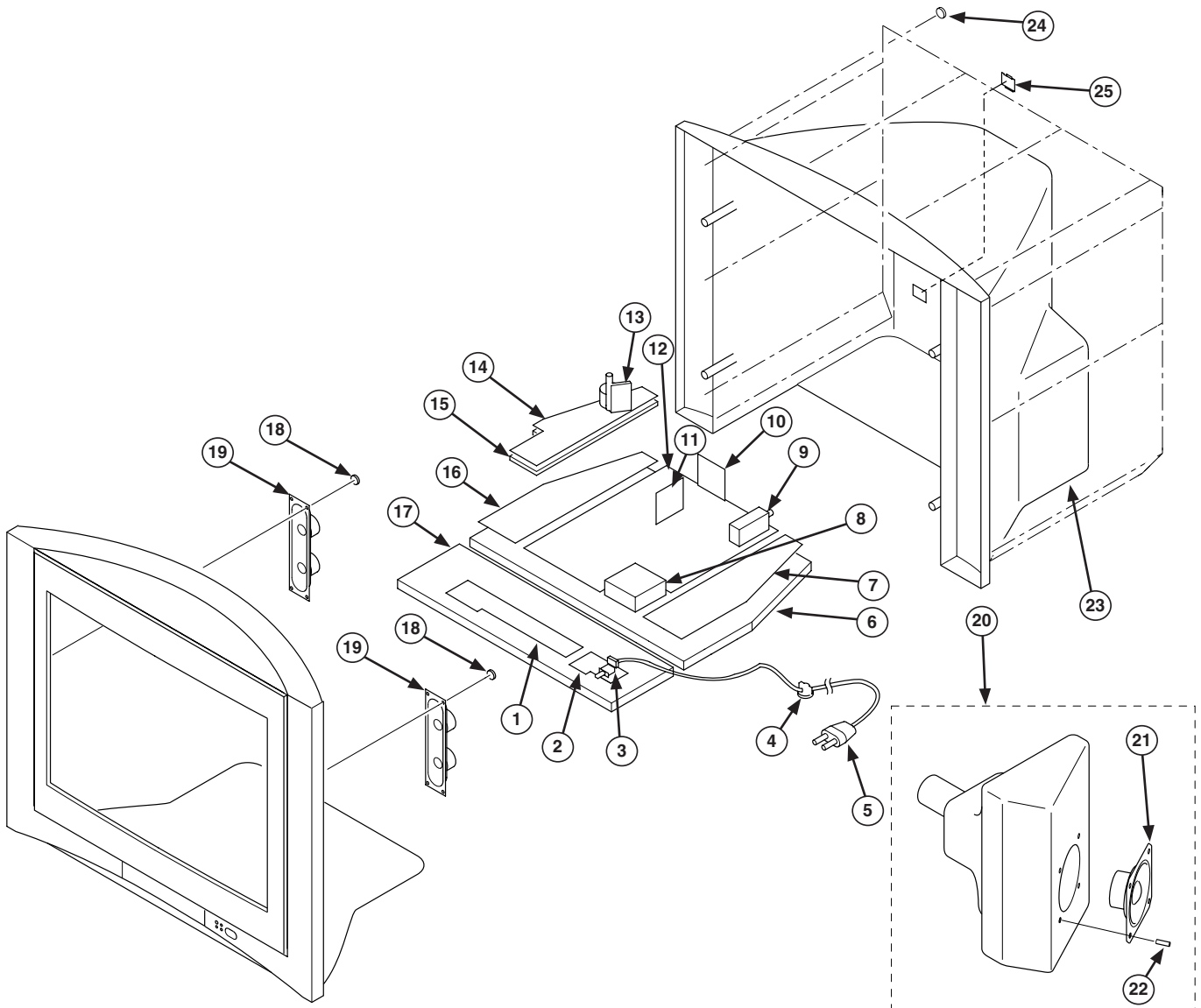
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces du numéro spécifié.

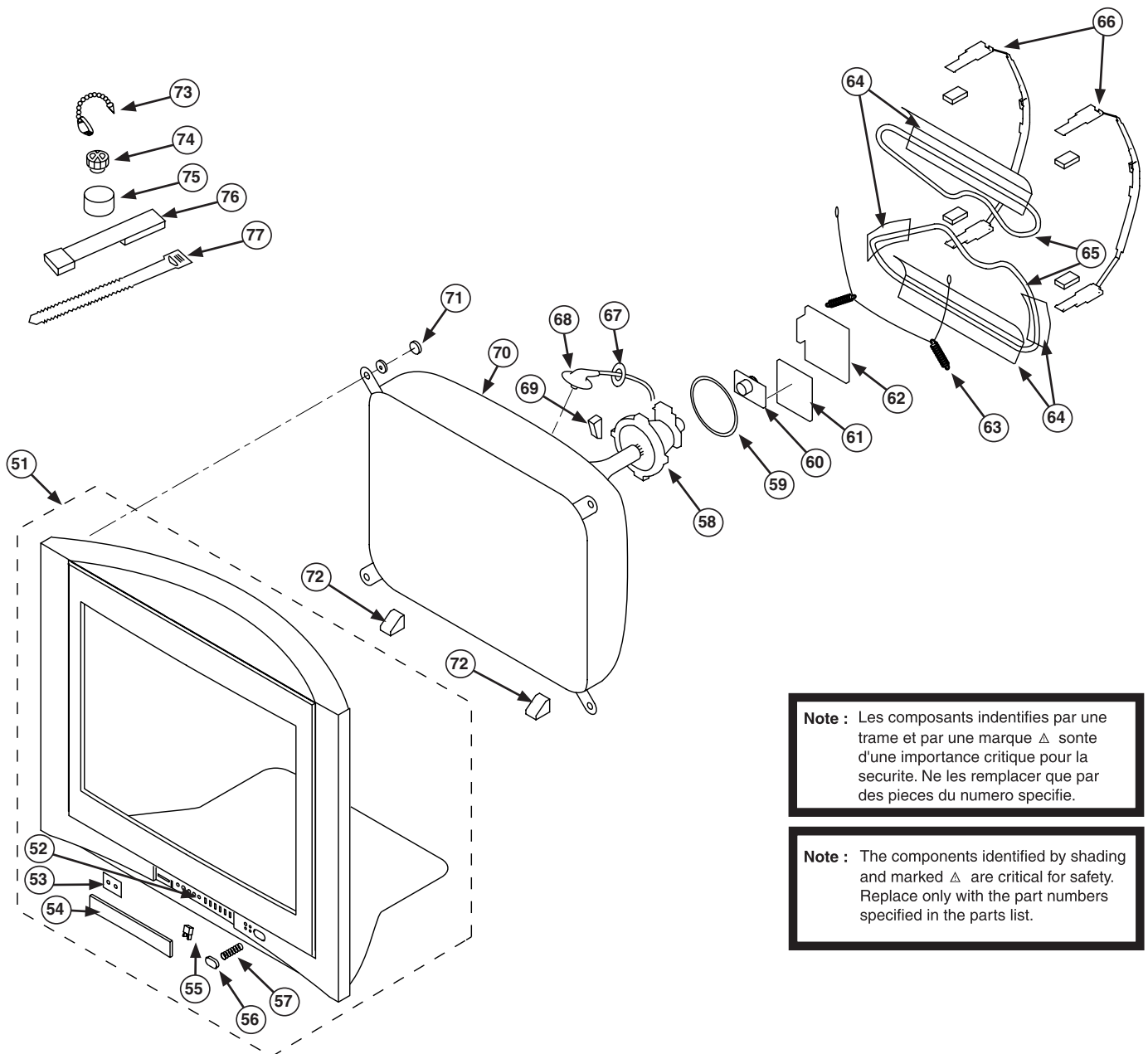
Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

6-1. CHASSIS



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1405-609-A	H1 BOARD COMPLETE		13	Δ 1-453-444-21	TRANSFORMER ASSY, FLYBACK (NX-6020//Z214)	
2	*A-1405-611-A	F1 BOARD, COMPLETE		14	*A-1302-547-A	D2 BOARD, COMPLETE	
3	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)		15	*4-095-738-01	BRACKET, D2	
4	*4-202-531-01	AC CORD LOCK (SC)		16	*A-1302-332-A	D BOARD, COMPLETE	
5	Δ *1-823-853-11	CORD, POWER		17	*4-093-828-01	BRACKET, H	
6	*4-095-739-01	BRACKET, MAIN		18	4-058-870-01	SCREW (4x16)W(+)P TAPPING	
7	A-1302-548-A	G BOARD, COMPLETE		19	1-529-408-11	SPEAKER (4.2x24CM)	
8	1-424-855-11	COIL, CHOKE 29MMH		20	*A-1603-084-A	WOOFER COMPLETE ASSY	21-22
9	8-598-533-10	FRONT END BTF-EC411		21	1-529-417-11	SPEAKER (8CM)	
10	*A-1405-623-A	J BOARD, COMPLETE		22	7-685-663-71	SCREW +BVTP 4x16 TYPE2 IT-3	
11	*A-1302-336-A	B BOARD, COMPLETE		23	4-095-506-01	REAR COVER	
12	*A-1302-331-A	A BOARD, COMPLETE		24	7-685-648-79	SCREW +BVTP 3x12 TYPE2 IT-3	
				25	4-206-388-31	SERVICE PLATE	

6-2. PICTURE TUBE



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
51	X-4041-653-1	BEZNET ASSY	52-57	65	Δ 1-424-888-11	COIL, DEGAUSSING	
52	*4-087-533-01	MULTIBUTTON		66	*4-204-768-02	HOLDER, DGC (29")	
53	4-087-530-01	GUIDE, LIGHT		67	4-202-554-02	HOLDER, HV CABLE	
54	4-093-827-01	DOOR		68	Δ 1-251-946-11	CAP ASSY, HIGH-VOLTAGE	
55	4-085-507-03	SPRING, DOOR		69	3-704-495-03	SPACER, DY	
56	4-087-527-01	POWER BUTTON		70	Δ 8-735-097-05	PICTURE TUBE (M68LNH060X)	
57	4-204-426-01	SPRING		71	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER	
58	Δ 8-451-504-71	DEFLECTION YOKE (Y29RSC-L)		72	*4-206-160-01	SUPPORT CRT	
59	1-452-896-11	COIL, NA ROTATION (RT200)		73	4-308-870-00	CLIP, LEAD WIRE	
60	Δ 8-453-011-11	NECK ASSY, (NA299-M)		74	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
61	*A-1405-620-A	VM BOARD, COMPLETE		75	1-452-032-00	MAGNET, DISK; 10MM Ø	
62	*A-1405-610-A	C BOARD, COMPLETE		76	X-4387-214-1	PERMALLOY, CORRECTION	
63	4-369-318-22	SPRING, TENSION		77	3-701-007-00	BAND, BINDING	
64	*4-203-390-11	CUSHION, DGC					

SECTION 7 ELECTRICAL PARTS LIST

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Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)
Parts indicated (XX) on the Schematic Diagram are not used in this model and
therefore do not appear in the Parts List.

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
* A-1302-331-A A Board, Complete				C2203	1-126-963-11	ELECT 4.7UF	20.00% 50V
	4-382-854-01	SCREW (M3X8), P, SW (+)		C2204	1-126-960-11	ELECT 1UF	20.00% 50V
	4-382-854-01	SCREW (M3X8), P, SW (+)		C2205	1-126-960-11	ELECT 1UF	20.00% 50V
	< CAPACITOR >			C2206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1103	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C2207	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1104	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C2300	1-126-935-11	ELECT 470UF	20.00% 16V
C1105	1-126-967-11	ELECT 47UF	20.00% 50V	C2301	1-126-947-11	ELECT 47UF	20.00% 35V
C1106	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C2302	1-126-947-11	ELECT 47UF	20.00% 35V
C1107	1-126-933-91	ELECT 100MF	20.00% 16V	C2303	1-126-947-11	ELECT 47UF	20.00% 35V
C1109	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C2304	1-126-947-11	ELECT 47UF	20.00% 35V
C1300	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C2305	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1302	1-216-864-11	SHORT CHIP 0		C2306	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1303	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V	C2400	1-136-175-00	FILM 0.68UF	5.00% 50V
C1304	1-216-864-11	SHORT CHIP 0		C2401	1-165-128-11	CERAMIC CHIP 0.22UF	16V
C1307	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C2402	1-163-135-00	CERAMIC CHIP 560PF	5.00% 50V
C2000	1-126-947-11	ELECT 47UF	20.00% 35V	C2403	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C2001	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2404	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2002	1-126-947-11	ELECT 47UF	20.00% 35V	C2405	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2004	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2406	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C2005	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C2407	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2006	1-126-947-11	ELECT 47UF	20.00% 35V	C2408	1-126-963-11	ELECT 4.7UF	20.00% 50V
C2007	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2409	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C2009	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C2410	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2010	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C2411	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2011	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2412	1-126-943-11	ELECT 2200UF	20.00% 25V
C2012	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2413	1-126-943-11	ELECT 2200UF	20.00% 25V
C2013	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2414	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2014	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C2500	1-107-914-11	ELECT 1000UF	20.00% 50V
C2016	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C2501	1-107-914-11	ELECT 1000UF	20.00% 50V
C2017	1-126-964-11	ELECT 10UF	20.00% 50V	C2502	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2018	1-126-964-11	ELECT 10UF	20.00% 50V	C2503	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2019	1-126-947-11	ELECT 47UF	20.00% 35V	C2504	1-126-959-91	ELECT 10UF	20.00% 50V
C2020	1-126-947-11	ELECT 47UF	20.00% 35V	C2505	1-107-888-91	ELECT 47UF	20.00% 25V
C2021	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2506	1-107-888-91	ELECT 47UF	20.00% 25V
C2022	1-126-964-11	ELECT 10UF	20.00% 50V	C2507	1-126-959-91	ELECT 10UF	20.00% 50V
C2023	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2024	1-126-964-11	ELECT 10UF	20.00% 50V	C2513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2026	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2514	1-107-907-11	ELECT 22UF	20.00% 50V
C2027	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C2603	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2028	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V	C2619	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2029	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V	C5103	1-126-960-11	ELECT 1UF	20.00% 50V
C2030	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C5106	1-126-933-11	ELECT 100UF	20.00% 16V
C2031	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C5109	1-126-964-11	ELECT 10UF	20.00% 50V
C2032	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C5110	1-126-947-11	ELECT 47UF	20.00% 35V
C2040	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C5111	1-126-964-11	ELECT 10UF	20.00% 50V
C2200	1-126-960-11	ELECT 1UF	20.00% 50V	C5112	1-126-964-11	ELECT 10UF	20.00% 50V
C2201	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5116	1-126-964-11	ELECT 10UF	20.00% 50V
C2202	1-126-960-11	ELECT 1UF	20.00% 50V	C5117	1-126-947-11	ELECT 47UF	20.00% 35V
				C5118	1-164-156-11	CERAMIC CHIP 0.1UF	25V
				C5119	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5120	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C6237	1-126-767-11	ELECT 1000UF	20.00% 16V
C5121	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C6238	1-136-165-00	FILM 0.1UF	5.00% 50V
C5122	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6239	1-104-665-11	ELECT 100UF	20.00% 25V
C5123	1-126-947-11	ELECT 47UF	20.00% 35V	C6240	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5124	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6241	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5125	1-126-964-11	ELECT 10UF	20.00% 50V	C6242	1-104-665-11	ELECT 100UF	20.00% 25V
C5126	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6243	1-104-665-11	ELECT 100UF	20.00% 25V
C5201	1-126-947-11	ELECT 47UF	20.00% 35V	C6244	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5202	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6245	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5203	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6246	1-104-665-11	ELECT 100UF	20.00% 25V
C5204	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C6247	1-104-665-11	ELECT 100UF	20.00% 25V
C5205	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6248	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6249	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5207	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6250	1-104-665-11	ELECT 100UF	20.00% 25V
C5208	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6251	1-104-665-11	ELECT 100UF	20.00% 25V
C5209	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6252	1-126-963-11	ELECT 4.7UF	20.00% 50V
C5210	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6253	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5214	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6254	1-137-374-11	MYLAR 0.047UF	5.00% 50V
C5215	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6255	1-126-935-11	ELECT 470UF	20.00% 16V
C5217	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6256	1-126-947-11	ELECT 47UF	20.00% 35V
C5218	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6259	1-104-665-11	ELECT 100UF	20.00% 25V
C5219	1-126-964-11	ELECT 10UF	20.00% 50V	C6260	1-104-665-11	ELECT 100UF	20.00% 25V
C5402	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C6261	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5403	1-126-941-11	ELECT 470UF	20.00% 25V	C6262	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5404	1-102-228-00	CERAMIC 470PF	10.00% 500V	< CONNECTOR >			
C5405	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN0002	*1-564-507-11	PLUG, CONNECTOR 4P	
C5406	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	CN2300	*1-564-510-11	PLUG, CONNECTOR 7P	
C5407	1-126-941-11	ELECT 470UF	20.00% 25V	CN2400	*1-816-974-51	PLUG, CONNECTOR 3P	
C5408	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	CN2501	*1-564-507-11	PLUG, CONNECTOR 4P	
C5409	1-126-968-11	ELECT 100UF	20.00% 50V	CN3000	*1-564-510-11	PLUG, CONNECTOR 7P	
C5410	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN3001	*1-691-773-11	PLUG (MICRO CONNECTOR) 11P	
C5411	1-137-401-11	MYLAR 0.22UF	5.00% 100V	CN3002	*1-817-115-11	CONNECTOR, BOARD TO BOARD 35P	
C5412	1-106-220-00	MYLAR 0.1UF	10.00% 100V	CN3004	*1-816-974-51	PLUG, CONNECTOR 3P	
C5413	1-130-785-11	MYLAR 0.47UF	5.00% 100V	CN3008	1-691-775-11	PLUG (MICRO CONNECTOR) 13P	
C6200	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN5207	*1-818-034-11	DIN CONNECTOR PLUG	
C6203	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN5209	*1-564-520-11	PLUG, CONNECTOR 5P	
C6206	1-104-665-11	ELECT 100UF	20.00% 25V	CN6200	*1-816-977-51	PLUG, CONNECTOR 6P	
C6208	1-126-767-11	ELECT 1000UF	20.00% 16V	CN6201	*1-564-510-11	PLUG, CONNECTOR 7P	
C6209	1-104-665-11	ELECT 100UF	20.00% 25V	CN6202	*1-564-510-11	PLUG, CONNECTOR 7P	
C6212	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN6203	*1-695-915-11	TAB (CONTACT)	
C6213	1-164-156-11	CERAMIC CHIP 0.1UF	25V	CN6900	*1-564-510-11	PLUG, CONNECTOR 7P	
C6214	1-104-665-11	ELECT 100UF	20.00% 25V	< DIODE >			
C6215	1-104-665-11	ELECT 100UF	20.00% 25V	D2002	8-719-081-97	DIODE MMDL914T1	
C6217	1-126-767-11	ELECT 1000UF	20.00% 16V	D2200	8-719-929-15	DIODE HZS9.1NB2	
C6223	1-136-165-00	FILM 0.1UF	5.00% 50V	D2201	8-719-929-15	DIODE HZS9.1NB2	
C6226	1-128-942-31	ELECT 1000UF	20% 6.3V	D2202	8-719-050-38	DIODE M1MA152WK-T1	
C6229	1-126-935-11	ELECT 470UF	20.00% 16V	D2500	8-719-050-38	DIODE M1MA152WK-T1	
C6234	1-136-165-00	FILM 0.1UF	5.00% 50V				
C6235	1-128-550-11	ELECT 2200UF	20.00% 50V				
C6236	1-128-942-31	ELECT 1000UF	20% 6.3V				

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

A

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D5100	8-719-081-97	DIODE MMDL914T1		IC6207	8-759-640-19	IC PQ1CG2032FZ	
D5103	8-719-110-86	DIODE RD39ESB		IC6210	8-759-445-59	IC BA033T	
D5104	8-719-976-99	DIODE DTZ5.1B		IC6211	6-701-848-01	IC KF25BDT	
D5200	8-719-081-97	DIODE MMDL914T1		IC6212	8-759-474-09	IC SI-8050S-LF1101	
D5201	8-719-081-98	DIODE MM3Z6V8T1		IC6216	6-701-848-01	IC KF25BDT	
D5202	8-719-081-97	DIODE MMDL914T1		< SOCKET >			
D5203	8-719-081-97	DIODE MMDL914T1		J2200	1-784-632-11	JACK, PIN 2P	
D5204	8-719-081-97	DIODE MMDL914T1		< COIL >			
D5205	8-719-081-97	DIODE MMDL914T1		L1100	1-414-760-21	FERRITE	0UH
D5206	8-719-081-97	DIODE MMDL914T1		L1101	1-414-760-21	FERRITE	0UH
D5207	8-719-081-97	DIODE MMDL914T1		L1102	1-408-615-31	INDUCTOR	100UH
D5208	8-719-081-97	DIODE MMDL914T1		L1103	1-408-603-21	MICRO IN (EL TYPE)	10UH
D5209	8-719-081-97	DIODE MMDL914T1		L1104	1-412-979-21	INDUCTOR	1UH
D5210	8-719-081-97	DIODE MMDL914T1		L1300	1-535-303-00	LEAD, JUMPER	(5.0MM)
D5211	8-719-081-97	DIODE MMDL914T1		L1301	1-408-602-31	INDUCTOR	8.2UH
D5212	8-719-081-97	DIODE MMDL914T1		L2000	1-414-928-21	INDUCTOR	1UH
D5404	8-719-110-41	DIODE RD15ESB2		L2001	1-414-928-21	INDUCTOR	1UH
D5405	8-719-908-03	DIODE GP08D		L2011	1-414-928-21	INDUCTOR	1UH
D6201	8-719-022-97	DIODE D2S4MF		L2400	1-406-977-21	INDUCTOR	100UH
D6203	8-719-063-70	DIODE D1NL20U		L2401	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6204	8-719-063-70	DIODE D1NL20U		L2402	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6205	8-719-050-38	DIODE M1MA152WK-T1		L2500	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6206	8-719-081-97	DIODE MMDL914T1		L2501	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6207	8-719-081-97	DIODE MMDL914T1		L5400	1-412-525-31	INDUCTOR	10UH
D6208	8-719-081-97	DIODE MMDL914T1		L5401	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6209	8-719-081-97	DIODE MMDL914T1		L5402	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6210	8-719-110-41	DIODE RD15ESB2		L6203	1-419-743-11	INDUCTOR	100UH
D6211	8-719-080-59	DIODE EK19-V0		L6207	1-412-525-31	INDUCTOR	10UH
D6213	8-719-022-97	DIODE D2S4MF		L6210	1-535-303-00	LEAD, JUMPER	(5.0MM)
D6214	8-719-056-84	DIODE UDZ-TE-17-7.5B		L6211	1-535-303-00	LEAD, JUMPER	(5.0MM)
< FERRITE BEAD >				L6213	1-412-539-11	INDUCTOR	150UH
FB2400	1-535-303-00	LEAD, JUMPER (5.0MM)		L6218	1-419-743-11	INDUCTOR	100UH
FB2401	1-535-303-00	LEAD, JUMPER (5.0MM)		L6219	1-406-971-11	INDUCTOR	10UH
FB6201	1-535-303-00	LEAD, JUMPER (5.0MM)		< PROTECTOR MODULE >			
FB6204	1-535-303-00	LEAD, JUMPER (5.0MM)		PS2000 Δ	1-801-549-21	IC LINK	4A 0V
< IC >				PS2001 Δ	1-801-549-21	IC LINK	4A 0V
IC2000	6-701-031-11	IC MSP3411G-QA-B11		< TRANSISTOR >			
IC2200	8-759-100-96	IC UPC4558G2		Q0100	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
IC2300	8-759-576-76	IC TDA2822D013TR		Q0200	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
IC2400	8-759-544-25	IC TDA7482		Q0201	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
IC2500	6-704-807-01	IC TDA7269		Q1100	8-729-010-29	TRANSISTOR MSD601-RST1	
IC5102	8-759-325-48	IC CA0005AD		Q1300	8-729-010-29	TRANSISTOR MSD601-RST1	
IC5104	8-759-803-42	IC LA6500-FA		Q1301	8-729-010-05	TRANSISTOR MSB709-RT1	
IC5400	8-759-696-71	IC STV9379A		Q2000	8-729-010-29	TRANSISTOR MSD601-RST1	
IC6200	8-759-648-20	IC L7805CV/LSY		Q2200	8-729-010-05	TRANSISTOR MSB709-RT1	
IC6202	8-759-640-19	IC PQ1CG2032FZ		Q2201	8-729-010-29	TRANSISTOR MSD601-RST1	
IC6204	8-759-648-19	IC L7809CV/LSY					
IC6205	8-759-394-35	IC BA12T					

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q2202	8-729-010-29	TRANSISTOR MSD601-RST1		JR6010	1-216-864-11	SHORT CHIP	0
Q2300	8-729-010-05	TRANSISTOR MSB709-RT1		JR6012	1-216-864-11	SHORT CHIP	0
Q2301	8-729-010-29	TRANSISTOR MSD601-RST1		JR6013	1-216-864-11	SHORT CHIP	0
Q2302	8-729-010-29	TRANSISTOR MSD601-RST1		JR6023	1-216-864-11	SHORT CHIP	0
Q2400	8-729-010-05	TRANSISTOR MSB709-RT1		JR6025	1-216-864-11	SHORT CHIP	0
Q2401	8-729-010-29	TRANSISTOR MSD601-RST1		JR6027	1-216-864-11	SHORT CHIP	0
Q2500	8-729-010-29	TRANSISTOR MSD601-RST1		JR8002	1-216-864-11	SHORT CHIP	0
Q2501	8-729-010-29	TRANSISTOR MSD601-RST1		JR8003	1-216-864-11	SHORT CHIP	0
Q2502	8-729-010-29	TRANSISTOR MSD601-RST1		R0001	1-216-864-11	SHORT CHIP	0
Q2503	8-729-010-29	TRANSISTOR MSD601-RST1		R0100	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q2504	8-729-027-38	TRANSISTOR DTA144EKA-T146		R0102	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q5100	8-729-010-05	TRANSISTOR MSB709-RT1		R0103	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q5101	8-729-010-29	TRANSISTOR MSD601-RST1		R0200	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
Q5200	8-729-010-05	TRANSISTOR MSB709-RT1		R0201	1-216-827-11	METAL CHIP	3.3K 5% 1/10W
Q5201	8-729-010-29	TRANSISTOR MSD601-RST1		R0202	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q5202	8-729-010-05	TRANSISTOR MSB709-RT1		R0204	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q5203	8-729-010-29	TRANSISTOR MSD601-RST1		R0205	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q5204	8-729-010-05	TRANSISTOR MSB709-RT1		R0207	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q5205	8-729-010-29	TRANSISTOR MSD601-RST1		R1100	1-216-864-11	SHORT CHIP	0
Q5206	8-729-010-05	TRANSISTOR MSB709-RT1		R1101	1-216-864-11	SHORT CHIP	0
Q5207	8-729-010-29	TRANSISTOR MSD601-RST1		R1102	1-216-864-11	SHORT CHIP	0
Q5208	8-729-010-29	TRANSISTOR MSD601-RST1		R1103	1-216-864-11	SHORT CHIP	0
Q5209	8-729-010-29	TRANSISTOR MSD601-RST1		R1105	1-216-864-11	SHORT CHIP	0
Q5210	8-729-010-29	TRANSISTOR MSD601-RST1		R1106	1-216-864-11	SHORT CHIP	0
Q5211	8-729-010-29	TRANSISTOR MSD601-RST1		R1108	1-216-864-11	SHORT CHIP	0
Q5404	8-729-926-76	TRANSISTOR IRF620		R1110	1-216-836-11	METAL CHIP	18K 5% 1/10W
Q6201	8-729-010-29	TRANSISTOR MSD601-RST1		R1111	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6202	8-729-010-05	TRANSISTOR MSB709-RT1		R1300	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6203	8-729-010-29	TRANSISTOR MSD601-RST1		R1303	1-216-805-11	METAL CHIP	47 5% 1/10W
Q6204	8-729-010-05	TRANSISTOR MSB709-RT1		R1304	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6205	8-729-010-05	TRANSISTOR MSB709-RT1		R2000	1-414-760-21	FERRITE	0UH
Q6206	8-729-010-29	TRANSISTOR MSD601-RST1		R2001	1-414-760-21	FERRITE	0UH
Q6207	8-729-010-29	TRANSISTOR MSD601-RST1		R2002	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q6208	8-729-010-29	TRANSISTOR MSD601-RST1		R2003	1-216-864-11	SHORT CHIP	0
Q6209	8-729-010-29	TRANSISTOR MSD601-RST1		R2004	1-216-864-11	SHORT CHIP	0
< RESISTOR >				R2005	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JR3001	1-216-864-11	SHORT CHIP	0	R2006	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JR3003	1-216-864-11	SHORT CHIP	0	R2007	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JR3004	1-216-864-11	SHORT CHIP	0	R2008	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
JR3006	1-216-864-11	SHORT CHIP	0	R2022	1-216-845-11	METAL CHIP	100K 5% 1/10W
JR3010	1-216-864-11	SHORT CHIP	0	R2025	1-216-864-11	SHORT CHIP	0
JR6001	1-216-864-11	SHORT CHIP	0	R2026	1-216-809-11	METAL CHIP	100 5% 1/10W
JR6002	1-216-864-11	SHORT CHIP	0	R2029	1-216-864-11	SHORT CHIP	0
JR6003	1-216-864-11	SHORT CHIP	0	R2030	1-216-864-11	SHORT CHIP	0
JR6004	1-216-864-11	SHORT CHIP	0	R2200	1-216-837-11	METAL CHIP	22K 5% 1/10W
JR6005	1-216-864-11	SHORT CHIP	0	R2201	1-216-833-11	METAL CHIP	10K 5% 1/10W
JR6006	1-216-864-11	SHORT CHIP	0	R2202	1-216-837-11	METAL CHIP	22K 5% 1/10W
JR6007	1-216-864-11	SHORT CHIP	0	R2203	1-216-839-11	METAL CHIP	33K 5% 1/10W
JR6008	1-216-864-11	SHORT CHIP	0	R2204	1-216-839-11	METAL CHIP	33K 5% 1/10W
JR6009	1-216-864-11	SHORT CHIP	0	R2205	1-216-833-11	METAL CHIP	10K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R2206	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2510	1-163-021-91	CAP CERAMIC	0.01	10%	50V
R2207	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2511	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2208	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2512	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2209	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2514	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2211	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2515	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2213	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2516	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2214	1-216-817-11	METAL CHIP	470	5%	1/10W	R2517	1-216-864-11	SHORT CHIP	0		
R2216	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2518	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2217	1-216-817-11	METAL CHIP	470	5%	1/10W	R2519	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2218	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2520	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2220	1-216-864-11	SHORT CHIP	0			R2521	1-243-826-21	METAL OXIDE	4.7	5%	1W
R2221	1-414-760-21	FERRITE	00UH			R2522	1-243-826-21	METAL OXIDE	4.7	5%	1W
R2300	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2523	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2301	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2524	1-216-864-11	SHORT CHIP	0		
R2302	1-216-805-11	METAL CHIP	47	5%	1/10W	R2525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2303	1-216-805-11	METAL CHIP	47	5%	1/10W	R2526	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2304	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5102	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R2305	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5103	1-218-833-11	METAL CHIP	270	0.5%	1/10W
R2306	1-216-837-11	METAL CHIP	22K	5%	1/10W	R5107	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R2307	1-216-837-11	METAL CHIP	22K	5%	1/10W	R5111	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2308	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5112	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2309	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5118	1-249-411-11	CARBON	330	5%	1/4W
R2310	1-249-389-11	CARBON	4.7	5%	1/4W	R5119	1-216-844-11	METAL CHIP	82K	5%	1/10W
R2311	1-216-809-11	METAL CHIP	100	5%	1/10W	R5122	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2312	1-249-389-11	CARBON	4.7	5%	1/4W	R5125	1-216-836-11	METAL CHIP	18K	5%	1/10W
R2313	1-216-813-11	METAL CHIP	220	5%	1/10W	R5126	1-249-406-11	CARBON	120	5%	1/4W
R2314	1-216-809-11	METAL CHIP	100	5%	1/10W	R5127	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2315	1-216-813-11	METAL CHIP	220	5%	1/10W	R5141	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2316	1-216-809-11	METAL CHIP	100	5%	1/10W	R5143	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2317	1-216-809-11	METAL CHIP	100	5%	1/10W	R5144	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2400	1-249-422-11	CARBON	2.7K	5%	1/4W	R5145	1-216-809-11	METAL CHIP	100	5%	1/10W
R2401	1-216-817-11	METAL CHIP	470	5%	1/10W	R5146	1-216-809-11	METAL CHIP	100	5%	1/10W
R2402	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R5148	1-216-809-11	METAL CHIP	100	5%	1/10W
R2403	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5149	1-218-833-11	METAL CHIP	270	0.5%	1/10W
R2404	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5150	1-249-414-11	CARBON	560	5%	1/4W
R2405	1-216-838-11	METAL CHIP	27K	5%	1/10W	R5151	1-249-454-11	CARBON	3.9	5%	1/4W
R2406	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5152	1-249-413-11	CARBON	470	5%	1/4W
R2407	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5153	1-249-393-11	CARBON	10	5%	1/4W
R2409	1-216-864-11	SHORT CHIP	0			R5154	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2410	1-216-864-11	SHORT CHIP	0			R5155	1-249-421-11	CARBON	2.2K	5%	1/4W
R2500	1-216-089-91	RES-CHIP	47K	5%	1/10W	R5156	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2501	1-216-049-11	RES-CHIP	1K	5%	1/10W	R5157	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R2502	1-216-049-11	RES-CHIP	1K	5%	1/10W	R5158	1-216-843-11	METAL CHIP	68K	5%	1/10W
R2503	1-216-049-11	RES-CHIP	1K	5%	1/10W	R5201	1-216-812-11	METAL CHIP	180	5%	1/10W
R2504	1-216-089-91	RES-CHIP	47K	5%	1/10W	R5203	1-216-864-11	SHORT CHIP	0		
R2505	1-216-049-11	RES-CHIP	1K	5%	1/10W	R5204	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2506	1-216-079-00	RES-CHIP	18K	5%	1/10W	R5205	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2507	1-216-079-00	RES-CHIP	18K	5%	1/10W	R5206	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2508	1-216-809-11	METAL CHIP	100	5%	1/10W	R5207	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2509	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5209	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R5210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5414	1-249-383-11	CARBON	1.5	5%	1/4W
R5212	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5415	1-249-389-11	CARBON	4.7	5%	1/4W
R5213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5416	1-243-568-21	METAL OXIDE	220	5%	2W
R5214	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5417	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5215	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5420	1-214-798-21	METAL	1.8	1%	1/2W
R5216	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5421	1-214-798-21	METAL	1.8	1%	1/2W
R5217	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R6203	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R5218	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6206	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5219	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6209	1-216-864-11	SHORT CHIP	0		
R5220	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6211	1-218-860-11	METAL CHIP	3.6K	0.5%	1/10W
R5221	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R6213	1-535-303-00	LEAD, JUMPER (5.0MM)			
R5222	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6214	1-216-864-11	SHORT CHIP	0		
R5223	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6215	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5224	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5225	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R6217	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5226	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6218	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5227	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6219	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5228	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6220	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5229	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5230	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6222	1-216-864-11	SHORT CHIP	0		
R5231	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R6223	1-216-846-11	METAL CHIP	120K	5%	1/10W
R5232	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6224	1-218-877-91	RES CHIP	18K	0.5%	1/10W
R5233	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6225	1-218-871-91	RES CHIP	10K	0.5%	1/10W
R5234	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6226	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5235	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6227	1-218-899-91	RES CHIP	150K	0.5%	1/16W
R5236	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6228	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5237	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6229	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5239	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6230	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5240	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6231	1-218-879-91	RES CHIP	22K	0.5%	1/10W
R5241	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6232	1-216-864-11	SHORT CHIP	0		
R5242	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6238	1-216-864-11	SHORT CHIP	0		
R5243	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6244	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5244	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R6246	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R5245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6247	1-216-864-11	SHORT CHIP	0		
R5246	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R6248	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5247	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6249	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5248	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6250	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5249	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8005	1-216-809-11	METAL CHIP	100	5%	1/10W
R5250	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8007	1-216-809-11	METAL CHIP	100	5%	1/10W
R5251	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8008	1-216-809-11	METAL CHIP	100	5%	1/10W
R5252	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8009	1-216-809-11	METAL CHIP	100	5%	1/10W
R5253	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8010	1-216-809-11	METAL CHIP	100	5%	1/10W
R5254	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8011	1-216-809-11	METAL CHIP	100	5%	1/10W
R5255	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8012	1-216-809-11	METAL CHIP	100	5%	1/10W
R5256	1-216-835-11	METAL CHIP	15K	5%	1/10W	R8013	1-216-809-11	METAL CHIP	100	5%	1/10W
R5408	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8014	1-216-809-11	METAL CHIP	100	5%	1/10W
R5409	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8015	1-216-809-11	METAL CHIP	100	5%	1/10W
R5410	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W	R8016	1-216-809-11	METAL CHIP	100	5%	1/10W
R5411	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8017	1-216-809-11	METAL CHIP	100	5%	1/10W
R5413	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W						

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< TUNER >				C8140	1-117-836-11	FILM	6800PF 3.00% 1.5KV
TU1100	8-598-533-10	FRONTEND BTF-EC411		C8141	1-117-836-11	FILM	6800PF 3.00% 1.5KV
< CRYSTAL >				C8142	1-127-681-11	FILM	10000PF 2% 100V
X2000	1-760-628-11	VIBRATOR, CRYSTAL		C8143	1-125-893-11	FILM	680PF 3.00% 1.5KV
* A-1302-332-A D Board, Complete				C8144	1-125-893-11	FILM	680PF 3.00% 1.5KV
	4-382-854-01	SCREW (M3X8), P, SW (+)		C8145	1-117-667-11	FILM	0.47UF 5.00% 250V
	4-382-854-01	SCREW (M3X8), P, SW (+)		C8146	1-117-660-21	FILM	0.12UF 5.00% 250V
< CAPACITOR >				C8147	1-126-947-11	ELECT	47UF 20.00% 35V
C8100	1-136-165-00	FILM 0.1UF	5.00% 50V	C8148	1-117-663-11	FILM	0.22UF 5.00% 250V
C8101	1-136-165-00	FILM 0.1UF	5.00% 50V	C8200	1-165-441-81	ELECT	33UF 20% 160V
C8102	1-136-165-00	FILM 0.1UF	5.00% 50V	C8201	1-107-655-11	ELECT	47UF 20.00% 250V
C8103	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	C8202	1-102-228-00	CERAMIC	470PF 10.00% 500V
C8104	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	C8203	1-102-228-00	CERAMIC	470PF 10.00% 500V
C8105	1-126-947-11	ELECT 47UF	20.00% 35V	C8204	1-102-228-00	CERAMIC	470PF 10.00% 500V
C8106	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V	C8205	1-126-941-11	ELECT	470UF 20.00% 25V
C8107	1-218-885-11	METAL CHIP 39K	0.5% 1/10W	C8206	1-126-941-11	ELECT	470UF 20.00% 25V
C8108	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8207	1-126-964-11	ELECT	10UF 20.00% 50V
C8109	1-126-947-11	ELECT 47UF	20.00% 35V	C8209	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C8110	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8210	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C8111	1-107-444-11	CERAMIC 100PF	5.00% 2KV	C8529	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8112	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C8530	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C8113	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8531	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8114	1-126-964-11	ELECT 10UF	20.00% 50V	C8532	1-126-947-11	ELECT 47UF	20.00% 35V
C8115	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C8534	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8116	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	C8536	1-136-165-00	FILM 0.1UF	5.00% 50V
C8117	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	C8537	1-136-347-11	FILM 0.0047UF	5.00% 630V
C8118	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C8538	1-137-499-11	FILM 0.015UF	5.00% 630V
C8119	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C8700	1-136-177-00	FILM 1UF	5.00% 50V
C8120	1-117-662-31	FILM 0.18UF	5% 250V	C8701	1-164-677-11	CERAMIC CHIP 0.033UF	10.00% 16V
C8121	1-107-846-11	FILM 0.1UF	5.00% 400V	C8702	1-126-947-11	ELECT 47UF	20.00% 35V
C8122	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C8703	1-136-177-00	FILM 1UF	5.00% 50V
C8124	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C8704	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C8125	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C8705	1-164-677-11	CERAMIC CHIP 0.033UF	10.00% 16V
C8126	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C8706	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8127	1-107-368-11	MYLAR 0.047UF	10.00% 200V	C8707	1-126-947-11	ELECT 47UF	20.00% 35V
C8128	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C8709	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C8129	1-102-030-00	CERAMIC 330PF	10.00% 500V	C8710	1-128-934-91	CERAMIC CHIP 0.33UF	20% 10V
C8130	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C8711	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C8131	1-107-368-11	MYLAR 0.047UF	10.00% 200V	C8712	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8132	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C8713	1-126-947-11	ELECT 47UF	20.00% 35V
C8133	1-102-935-00	CERAMIC 2PF	0.25PF 50V	C8714	1-126-964-11	ELECT 10UF	20.00% 50V
C8135	1-126-947-11	ELECT 47UF	20.00% 35V	C8715	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
C8136	1-126-964-11	ELECT 10UF	20.00% 50V	C8716	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C8138	1-102-030-00	CERAMIC 330PF	10.00% 500V	C8717	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C8139	1-162-131-11	CERAMIC 220PF	10.00% 2KV	C8718	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
				C8719	1-164-156-11	CERAMIC CHIP 0.1UF	25V
				C8720	1-164-677-11	CERAMIC CHIP 0.033UF	10.00% 16V
				C8721	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
				C8802	1-126-960-11	ELECT 1UF	20.00% 50V
				C8803	1-126-960-11	ELECT 1UF	20.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C8804	1-102-114-00	CERAMIC	470PF	10.00% 50V	IC8101	8-759-665-11	IC LM393DT
C8805	1-102-114-00	CERAMIC	470PF	10.00% 50V	IC8102	8-759-638-79	IC NJM3404AD-W
< CONNECTOR >				IC8103	8-759-659-67	IC LA6393DLL	
CN8104	*1-564-510-11	PLUG, CONNECTOR 7P		IC8527	8-759-701-01	IC NJM2904M	
CN8116	1-695-915-11	TAB (CONTACT)		IC8700	8-759-595-52	IC CXA8070AP	
CN8203	1-691-775-11	PLUG (MICRO CONNECTOR) 13P		< COIL >			
CN8206	*1-564-510-11	PLUG, CONNECTOR 7P		IC8701	6-701-046-01	IC LM318N	
CN8211	*1-785-270-12	PIN, DY CONNECTOR (PC BOARD)		L8101	1-406-985-11	INDUCTOR	2.2MH
CN8214	*1-564-508-11	PLUG, CONNECTOR 5P		L8102	1-414-928-21	INDUCTOR	1UH
CN8215	*1-816-977-11	PLUG, CONNECTOR 6P		L8103	1-414-928-21	INDUCTOR	1UH
CN8700	*1-816-974-51	PLUG, CONNECTOR 3P		L8104	1-414-928-21	INDUCTOR	1UH
CN8805	1-691-773-11	PLUG (MICRO CONNECTOR) 11P		L8201	1-410-397-21	FERRITE	1.1UH
CN8900	*1-564-510-11	PLUG, CONNECTOR 7P		L8202	1-410-397-21	FERRITE	1.1UH
< DIODE >				L8203	1-410-397-21	FERRITE	1.1UH
D8100	1-535-303-00	LEAD, JUMPER (5.0MM)		L8503	1-535-303-00	LEAD, JUMPER	(5.0MM)
D8101	8-719-110-41	DIODE RD15ESB2		L8504	1-535-303-00	LEAD, JUMPER	(5.0MM)
D8102	8-719-081-97	DIODE MMDL914T1		L8569	1-406-989-21	INDUCTOR	10MH
D8103	8-719-081-97	DIODE MMDL914T1		L8576	1-406-989-21	INDUCTOR	10MH
D8104	8-719-081-97	DIODE MMDL914T1		L8707	1-535-303-00	LEAD, JUMPER	(5.0MM)
D8105	8-719-081-97	DIODE MMDL914T1		L8708	1-535-303-00	LEAD, JUMPER	(5.0MM)
D8107	8-719-081-97	DIODE MMDL914T1		L8709	1-535-303-00	LEAD, JUMPER	(5.0MM)
D8108	8-719-921-40	DIODE MT2J-4.7C		< TRANSISTOR >			
D8128	8-719-081-97	DIODE MMDL914T1		Q8100	8-729-010-29	TRANSISTOR MSD601-RST1	
D8132	8-719-081-97	DIODE MMDL914T1		Q8101	8-729-010-29	TRANSISTOR MSD601-RST1	
D8133	8-719-081-97	DIODE MMDL914T1		Q8102	8-729-010-29	TRANSISTOR MSD601-RST1	
D8199	8-719-081-97	DIODE MMDL914T1		Q8103	8-729-010-29	TRANSISTOR MSD601-RST1	
D8200	8-719-302-43	DIODE EL1Z		Q8104	8-729-010-29	TRANSISTOR MSD601-RST1	
D8201	8-719-302-43	DIODE EL1Z		Q8105	8-729-010-29	TRANSISTOR MSD601-RST1	
D8203	8-719-085-12	DIODE BYV98-200-RAS 15/12		Q8106	8-729-010-29	TRANSISTOR MSD601-RST1	
D8204	8-719-085-12	DIODE BYV98-200-RAS 15/12		Q8107	8-729-010-29	TRANSISTOR MSD601-RST1	
D8207	8-719-991-33	DIODE 1SS133T-77		Q8108	8-729-010-05	TRANSISTOR MSE709-RT1	
D8208	8-719-991-33	DIODE 1SS133T-77		Q8109	8-729-048-47	TRANSISTOR 2SC2688(5)-LK	
D8508	8-719-063-73	DIODE D1NL20U-TR		Q8110	8-729-010-05	TRANSISTOR MSE709-RT1	
D8509	8-719-081-97	DIODE MMDL914T1		Q8111	8-729-048-47	TRANSISTOR 2SC2688(5)-LK	
D8611	8-719-081-97	DIODE MMDL914T1		Q8112	8-729-010-29	TRANSISTOR MSD601-RST1	
D8612	8-719-081-97	DIODE MMDL914T1		Q8113	8-729-010-29	TRANSISTOR MSD601-RST1	
D8700	8-719-991-33	DIODE 1SS133T-77		Q8114	6-550-669-01	TRANSISTOR ST2310DHI	
D8701	1-535-303-00	LEAD, JUMPER (5.0MM)		Q8115	8-729-010-05	TRANSISTOR MSE709-RT1	
D8702	8-719-081-97	DIODE MMDL914T1		Q8116	6-550-669-01	TRANSISTOR ST2310DHI	
D8802	8-719-081-97	DIODE MMDL914T1		Q8117	8-729-050-48	TRANSISTOR IRF614-005	
D8803	8-719-081-97	DIODE MMDL914T1		Q8118	8-729-010-29	TRANSISTOR MSD601-RST1	
< FERRITE BEAD >				Q8119	8-729-010-05	TRANSISTOR MSE709-RT1	
FB8100	1-410-397-21	FERRITE	1.1UH	Q8120	8-729-010-05	TRANSISTOR MSE709-RT1	
< IC >				Q8121	6-550-721-01	TRANSISTOR 2SK2679(LBS2NCN)	
IC8100	8-759-665-11	IC LM393DT		Q8122	8-729-010-05	TRANSISTOR MSE709-RT1	
				Q8123	8-729-010-05	TRANSISTOR MSE709-RT1	
				Q8125	8-729-010-29	TRANSISTOR MSD601-RST1	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q8126	8-729-010-05	TRANSISTOR MSB709-RT1		R8128	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q8127	8-729-010-05	TRANSISTOR MSB709-RT1		R8129	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q8128	8-729-010-29	TRANSISTOR MSD601-RST1		R8130	1-218-908-91	RES CHIP	360K 0.5% 1/10W
Q8132	8-729-421-19	TRANSISTOR UN2213		R8131	1-216-815-11	METAL CHIP	330 5% 1/10W
Q8201	8-729-010-29	TRANSISTOR MSD601-RST1		R8132	1-216-815-11	METAL CHIP	330 5% 1/10W
Q8202	8-729-010-29	TRANSISTOR MSD601-RST1		R8133	1-216-815-11	METAL CHIP	330 5% 1/10W
Q8203	8-729-010-29	TRANSISTOR MSD601-RST1		R8135	1-243-584-21	METAL OXIDE	4.7K 5% 2W
Q8455	8-729-010-29	TRANSISTOR MSD601-RST1		R8136	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q8508	8-729-010-29	TRANSISTOR MSD601-RST1		R8137	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q8509	8-729-010-29	TRANSISTOR MSD601-RST1		R8138	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q8510	8-729-140-93	TRANSISTOR 2SB733-34		R8139	1-218-887-11	METAL CHIP	47K 0.5% 1/10W
Q8512	8-729-053-33	TRANSISTOR IRF614-037		R8140	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q8700	8-729-010-29	TRANSISTOR MSD601-RST1		R8141	1-243-585-21	METAL OXIDE	5.6K 5% 2W
Q8701	8-729-010-29	TRANSISTOR MSD601-RST1		R8142	1-260-340-11	CARBON	10K 5% 1/2W
Q8702	8-729-053-87	TRANSISTOR KTC4370A		R8143	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q8703	6-550-247-01	TRANSISTOR KTA1659A		R8144	1-215-895-21	METAL OXIDE	3.3K 5% 2W
Q8704	8-729-010-05	TRANSISTOR MSB709-RT1		R8145	1-215-895-21	METAL OXIDE	3.3K 5% 2W
Q8705	8-729-010-05	TRANSISTOR MSB709-RT1		R8146	1-260-340-11	CARBON	10K 5% 1/2W
< RESISTOR >				R8147	1-243-949-21	METAL OXIDE	0.47 5% 2W
JR8459	1-216-864-11	SHORT CHIP	0	R8148	1-215-880-71	METAL OXIDE	10 5% 2W
R8100	1-216-813-11	METAL CHIP	220 5% 1/10W	R8149	1-216-821-11	METAL CHIP	1K 5% 1/10W
R8101	1-216-813-11	METAL CHIP	220 5% 1/10W	R8150	1-216-821-11	METAL CHIP	1K 5% 1/10W
R8102	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8151	1-216-361-00	METAL OXIDE	0.22 5% 2W
R8103	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8152	1-215-880-71	METAL OXIDE	10 5% 2W
R8104	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8153	1-247-807-31	CARBON	100 5% 1/4W
R8105	1-216-821-11	METAL CHIP	1K 5% 1/10W	R8154	1-216-845-11	METAL CHIP	100K 5% 1/10W
R8106	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8155	1-216-853-11	METAL CHIP	470K 5% 1/10W
R8107	1-218-857-11	METAL CHIP	2.7K 0.5% 1/10W	R8156	1-215-485-00	METAL	470K 1% 1/4W
R8108	1-218-857-11	METAL CHIP	2.7K 0.5% 1/10W	R8157	1-215-493-00	METAL	1M 1% 1/4W
R8109	1-218-879-11	METAL CHIP	22K 0.5% 1/10W	R8158	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R8110	1-218-879-11	METAL CHIP	22K 0.5% 1/10W	R8159	1-216-864-11	SHORT CHIP	0
R8111	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8160	1-216-864-11	SHORT CHIP	0
R8112	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8161	1-218-869-11	METAL CHIP	8.2K 0.5% 1/10W
R8113	1-216-833-11	METAL CHIP	10K 5% 1/10W	R8162	1-216-821-11	METAL CHIP	1K 5% 1/10W
R8114	1-216-833-11	METAL CHIP	10K 5% 1/10W	R8163	1-216-833-11	METAL CHIP	10K 5% 1/10W
R8115	1-216-845-11	METAL CHIP	100K 5% 1/10W	R8165	1-218-889-11	METAL CHIP	56K 0.5% 1/10W
R8116	1-216-845-11	METAL CHIP	100K 5% 1/10W	R8166	1-247-807-31	CARBON	100 5% 1/4W
R8117	1-216-833-11	METAL CHIP	10K 5% 1/10W	R8167	1-215-493-00	METAL	1M 1% 1/4W
R8118	1-216-833-11	METAL CHIP	10K 5% 1/10W	R8168	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R8119	1-216-833-11	METAL CHIP	10K 5% 1/10W	R8169	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
R8120	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8170	1-216-815-11	METAL CHIP	330 5% 1/10W
R8121	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8171	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R8122	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8174	1-216-834-11	METAL CHIP	12K 5% 1/10W
R8123	1-216-841-11	METAL CHIP	47K 5% 1/10W	R8175	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R8124	1-216-821-11	METAL CHIP	1K 5% 1/10W	R8176	1-216-838-11	METAL CHIP	27K 5% 1/10W
R8125	1-216-825-11	METAL CHIP	2.2K 5% 1/10W	R8177	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
R8126	1-216-815-11	METAL CHIP	330 5% 1/10W	R8179	1-216-864-11	SHORT CHIP	0
R8127	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W	R8180	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
				R8181	1-249-409-11	CARBON	220 5% 1/4W
				R8182	1-216-841-11	METAL CHIP	47K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R8183	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8700	1-216-853-11	METAL CHIP	470K	5%	1/10W
R8186	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8701	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R8188	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	R8702	1-216-853-11	METAL CHIP	470K	5%	1/10W
R8189	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8703	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R8190	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8704	1-216-809-11	METAL CHIP	100	5%	1/10W
R8191	1-243-622-21	METAL OXIDE	22K	5%	3W	R8705	1-216-853-11	METAL CHIP	470K	5%	1/10W
R8196	1-249-377-11	CARBON	0.47	5%	1/4W	R8706	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R8197	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8707	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R8201	1-260-123-11	CARBON	100K	5%	1/2W	R8708	1-212-849-00	FUSIBLE	4.7	5%	1/4W
R8203	1-218-271-11	METAL CHIP	2K	5%	1/10W	R8709	1-216-809-11	METAL CHIP	100	5%	1/10W
R8204	1-202-972-61	FUSIBLE	1	5%	1/4W	R8710	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8205	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R8714	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R8206	1-249-443-11	CARBON	0.47	5%	1/4W	R8715	1-216-809-11	METAL CHIP	100	5%	1/10W
R8207	1-249-443-11	CARBON	0.47	5%	1/4W	R8716	1-216-853-11	METAL CHIP	470K	5%	1/10W
R8208	1-216-838-11	METAL CHIP	27K	5%	1/10W	R8717	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R8209	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8718	1-249-410-11	CARBON	270	5%	1/4W
R8210	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8719	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R8211	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8720	1-243-564-21	METAL OXIDE	100	5%	2W
R8212	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8722	1-218-874-11	METAL CHIP	13K	0.5%	1/10W
R8215	1-218-879-11	METAL CHIP	22K	0.5%	1/10W	R8723	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R8216	1-218-877-11	METAL CHIP	18K	0.5%	1/10W	R8725	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R8217	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8726	1-212-849-00	FUSIBLE	4.7	5%	1/4W
R8218	1-249-443-11	CARBON	0.47	5%	1/4W	R8727	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8219	1-249-443-11	CARBON	0.47	5%	1/4W	R8728	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R8220	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8729	1-216-837-11	METAL CHIP	22K	5%	1/10W
R8222	1-216-346-00	METAL OXIDE	0.56	5%	1W	R8730	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R8456	1-218-889-11	METAL CHIP	56K	0.5%	1/10W	R8731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R8457	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R8732	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8458	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8733	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R8459	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8734	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8538	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8735	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R8539	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8737	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8540	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8738	1-243-511-21	METAL OXIDE	2.2	5%	3W
R8541	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8739	1-218-913-91	METAL CHIP	560K	0.5%	1/10W
R8542	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8741	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8543	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8742	1-218-915-11	METAL CHIP	680K	0.5%	1/10W
R8544	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8743	1-218-913-91	METAL CHIP	560K	0.5%	1/10W
R8545	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8804	1-249-408-11	CARBON	180	5%	1/4W
R8550	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8805	1-249-408-11	CARBON	180	5%	1/4W
R8552	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8806	1-249-411-11	CARBON	330	5%	1/4W
R8565	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R8807	1-249-411-11	CARBON	330	5%	1/4W
R8566	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8868	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R8567	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8885	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R8568	1-216-813-11	METAL CHIP	220	5%	1/10W	R8886	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R8570	1-215-882-21	METAL OXIDE	22	5%	2W	< TRANSFORMER >					
R8571	1-215-882-21	METAL OXIDE	22	5%	2W	T8100	1-433-489-31	TRANSFORMER, FERRITE (HDT)			
R8573	1-216-821-11	METAL CHIP	1K	5%	1/10W	T8101	1-433-489-31	TRANSFORMER, FERRITE (HDT)			
R8574	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	T8202	1-437-614-11	TRANSFORMER, HORIZONTAL OUTPUT			
R8575	1-216-817-11	METAL CHIP	470	5%	1/10W						

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
* A-1302-336-A B Board, Complete				C3105	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
	4-087-203-01	PLASTIC RIVET		C3106	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
	< CAPACITOR >			C3107	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C0005	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C3108	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C0006	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C3109	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C0007	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3110	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C0008	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3121	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0009	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C3122	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0011	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3123	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0013	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3124	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0015	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3127	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C0016	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3129	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C0017	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3130	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0018	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3131	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0020	1-126-947-11	ELECT 47UF	20.00% 35V	C3132	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0021	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3133	1-126-947-11	ELECT 47UF	20.00% 35V
C0023	1-126-933-11	ELECT 100UF	20.00% 16V	C3134	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0025	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3135	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C0026	1-126-947-11	ELECT 47UF	20.00% 35V	C3136	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0028	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3137	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C0029	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3138	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0032	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3139	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0033	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3140	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0035	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3141	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0038	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3142	1-126-947-11	ELECT 47UF	20.00% 35V
C0039	1-126-947-11	ELECT 47UF	20.00% 35V	C3143	1-126-947-11	ELECT 47UF	20.00% 35V
C0041	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3144	1-126-947-11	ELECT 47UF	20.00% 35V
C0043	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3145	1-126-947-11	ELECT 47UF	20.00% 35V
C0045	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3147	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0047	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3148	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0048	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3300	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0051	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3301	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0053	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3302	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0054	1-126-947-11	ELECT 47UF	20.00% 35V	C3303	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0055	1-126-947-11	ELECT 47UF	20.00% 35V	C3304	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0056	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3305	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0059	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3306	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0060	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C3307	1-126-947-11	ELECT 47UF	20.00% 35V
C0061	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3308	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0062	1-126-947-11	ELECT 47UF	20.00% 35V	C3309	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0063	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C3310	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0064	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V	C3311	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C0065	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3312	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C0066	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3313	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3101	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3314	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3102	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3315	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3103	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3316	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3104	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3317	1-164-156-11	CERAMIC CHIP 0.1UF	25V
				C3318	1-164-156-11	CERAMIC CHIP 0.1UF	25V
				C3319	1-126-947-11	ELECT 47UF	20.00% 35V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C3320	1-126-947-11	ELECT 47UF	20.00% 35V	C3824	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3321	1-115-758-11	ELECT 470UF	20.00% 16V	C3825	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3324	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3826	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3402	1-126-947-11	ELECT 47UF	20.00% 35V	C3827	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3403	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3828	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3405	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3829	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3406	1-126-947-11	ELECT 47UF	20.00% 35V	C3830	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3407	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3831	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3408	1-126-947-11	ELECT 47UF	20.00% 35V	C3832	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3409	1-126-947-11	ELECT 47UF	20.00% 35V	C3833	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3410	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3834	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3411	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3835	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3412	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3836	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3413	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3837	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3414	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C3838	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3415	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C3839	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3416	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C3840	1-126-947-11	ELECT 47UF	20.00% 35V
C3421	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3841	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3422	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3842	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C3426	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3844	1-126-947-11	ELECT 47UF	20.00% 35V
C3431	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C3845	1-126-947-11	ELECT 47UF	20.00% 35V
C3432	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C3846	1-126-959-11	ELECT 0.47UF	20.00% 50V
C3433	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C3847	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3434	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3848	1-126-947-11	ELECT 47UF	20.00% 35V
C3435	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3849	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C3436	1-126-947-11	ELECT 47UF	20.00% 35V	C3851	1-126-947-11	ELECT 47UF	20.00% 35V
C3800	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3853	1-126-960-11	ELECT 1UF	20.00% 50V
C3801	1-126-947-11	ELECT 47UF	20.00% 35V	C3854	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C3802	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3855	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3803	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3856	1-126-947-11	ELECT 47UF	20.00% 35V
C3804	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3857	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3805	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3858	1-126-960-11	ELECT 1UF	20.00% 50V
C3806	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3859	1-126-947-11	ELECT 47UF	20.00% 35V
C3807	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3861	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3808	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3864	1-126-959-11	ELECT 0.47UF	20.00% 50V
C3809	1-126-947-11	ELECT 47UF	20.00% 35V	C3865	1-126-947-11	ELECT 47UF	20.00% 35V
C3810	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3866	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3811	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3867	1-126-963-11	ELECT 4.7UF	20.00% 50V
C3812	1-126-947-11	ELECT 47UF	20.00% 35V	C3868	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3813	1-126-947-11	ELECT 47UF	20.00% 35V	C3869	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3814	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3870	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3815	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3871	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C3816	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3872	1-126-947-11	ELECT 47UF	20.00% 35V
C3817	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3874	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3818	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3875	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C3819	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3876	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3820	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3877	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
C3821	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3879	1-126-947-11	ELECT 47UF	20.00% 35V
C3822	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3882	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3823	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3883	1-164-156-11	CERAMIC CHIP 0.1UF	25V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C3884	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L0006	1-414-928-21	INDUCTOR	1UH
C5503	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	L0007	1-414-928-21	INDUCTOR	1UH
C5504	1-218-899-91	RES CHIP 150K	0.5% 1/16W	L0008	1-414-928-21	INDUCTOR	1UH
C5508	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	L3100	1-414-928-21	INDUCTOR	1UH
C5509	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	L3104	1-414-928-21	INDUCTOR	1UH
C5510	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	L3105	1-414-928-21	INDUCTOR	1UH
C5511	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	L3106	1-414-928-21	INDUCTOR	1UH
C5516	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L3107	1-414-928-21	INDUCTOR	1UH
C5518	1-164-156-11	CERAMIC CHIP 0.1UF	25V	L3300	1-414-928-21	INDUCTOR	1UH
C5558	1-126-947-11	ELECT 47UF	20.00% 35V	L3301	1-414-928-21	INDUCTOR	1UH
< CONNECTOR >				L3302	1-414-928-21	INDUCTOR	1UH
CN0004	*1-564-507-11	PLUG, CONNECTOR 4P		L3303	1-410-397-21	FERRITE	1.1UH
CN3100	1-794-244-11	CONNECTOR, DIN (PLUG) 96P		L3400	1-414-928-21	INDUCTOR	1UH
CN3400	*1-564-524-11	PLUG, CONNECTOR 9P		L3401	1-414-928-21	INDUCTOR	1UH
CN3401	*1-764-643-21	PIN, CONNECTOR (SMD) 11P		L3402	1-414-928-21	INDUCTOR	1UH
CN3402	*1-564-519-11	PLUG, CONNECTOR 4P		L3403	1-414-928-21	INDUCTOR	1UH
< DIODE >				L3404	1-414-928-21	INDUCTOR	1UH
D0070	8-719-081-97	DIODE MMDL914T1		L3800	1-414-928-21	INDUCTOR	1UH
D0071	8-719-081-97	DIODE MMDL914T1		L3801	1-414-928-21	INDUCTOR	1UH
D5500	8-719-069-55	DIODE UDZSTE-175.6B		L3802	1-414-928-21	INDUCTOR	1UH
D5501	8-719-083-57	DIODE UDZSTE-173.6B		L3803	1-414-928-21	INDUCTOR	1UH
D5502	6-500-028-01	DIODE MM3Z9V1ST1		L3805	1-414-928-21	INDUCTOR	1UH
D5504	8-719-081-97	DIODE MMDL914T1		L3806	1-414-928-21	INDUCTOR	1UH
D5505	8-719-081-97	DIODE MMDL914T1		L3807	1-414-928-21	INDUCTOR	1UH
D5506	8-719-081-97	DIODE MMDL914T1		L3808	1-412-987-31	INDUCTOR	4.7UH
< FILTER >				L3809	1-414-928-21	INDUCTOR	1UH
FL3800	1-233-765-21	FILTER		L3810	1-414-928-21	INDUCTOR	1UH
FL3801	1-233-765-21	FILTER		L3856	1-414-928-21	INDUCTOR	1UH
< IC >				L5549	1-414-928-21	INDUCTOR	1UH
IC0001	6-704-964-01	IC SDA6001-B12T		< TRANSISTOR >			
IC0002	8-759-682-41	IC M24C32-WMN6T(A)		Q0001	8-729-010-05	TRANSISTOR MSE709-RT1	
IC0003	6-704-312-01	IC K4S641632F-UC75T		Q0002	8-729-010-05	TRANSISTOR MSE709-RT1	
IC0005	6-803-810-01	IC M27V160-100K1-6BA001		Q0003	8-729-010-05	TRANSISTOR MSE709-RT1	
IC0006	6-702-313-01	IC PST600IMT		Q0005	8-729-010-29	TRANSISTOR MSD601-RST1	
IC0007	8-759-352-91	IC PST9143NL		Q0075	8-729-010-29	TRANSISTOR MSD601-RST1	
IC3100	6-803-528-01	IC VSP9417BC3G		Q3400	8-729-010-29	TRANSISTOR MSD601-RST1	
IC3300	6-705-124-01	IC FRC9429A-A1		Q3401	8-729-010-29	TRANSISTOR MSD601-RST1	
IC3400	6-705-123-01	IC DDP3316C-H5		Q3402	8-729-010-29	TRANSISTOR MSD601-RST1	
IC3800	6-704-312-01	IC K4S641632F-UC75T		Q3403	8-729-010-29	TRANSISTOR MSD601-RST1	
IC3801	8-752-424-79	IC CXD3804R-T6		Q3404	8-729-010-29	TRANSISTOR MSD601-RST1	
IC3802	8-752-086-80	IC CXA2019AQ-T4		Q3405	8-729-010-29	TRANSISTOR MSD601-RST1	
< COIL >				Q3406	8-729-010-05	TRANSISTOR MSE709-RT1	
L0002	1-414-928-21	INDUCTOR	1UH	Q3409	8-729-010-29	TRANSISTOR MSD601-RST1	
L0003	1-414-928-21	INDUCTOR	1UH	Q3410	8-729-010-29	TRANSISTOR MSD601-RST1	
L0004	1-414-928-21	INDUCTOR	1UH	Q3800	8-729-010-29	TRANSISTOR MSD601-RST1	
				Q3801	8-729-010-29	TRANSISTOR MSD601-RST1	
				Q3802	8-729-010-29	TRANSISTOR MSD601-RST1	
				Q3803	8-729-010-29	TRANSISTOR MSD601-RST1	
				Q3805	8-729-010-29	TRANSISTOR MSD601-RST1	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
Q3806	8-729-010-29	TRANSISTOR MSD601-RST1		R0026	1-216-809-11	METAL CHIP 100 5%	1/10W
Q3807	8-729-010-29	TRANSISTOR MSD601-RST1		R0027	1-216-809-11	METAL CHIP 100 5%	1/10W
Q3808	8-729-010-29	TRANSISTOR MSD601-RST1		R0028	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q3811	8-729-010-05	TRANSISTOR MSB709-RT1		R0029	1-216-809-11	METAL CHIP 100 5%	1/10W
Q3812	8-729-010-29	TRANSISTOR MSD601-RST1		R0030	1-216-809-11	METAL CHIP 100 5%	1/10W
Q3814	8-729-010-29	TRANSISTOR MSD601-RST1		R0031	1-216-809-11	METAL CHIP 100 5%	1/10W
Q3816	8-729-010-05	TRANSISTOR MSB709-RT1		R0032	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
Q5500	8-729-010-29	TRANSISTOR MSD601-RST1		R0033	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
Q5503	8-729-010-29	TRANSISTOR MSD601-RST1		R0034	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
Q5505	8-729-010-29	TRANSISTOR MSD601-RST1		R0035	1-216-809-11	METAL CHIP 100 5%	1/10W
Q5507	8-729-010-05	TRANSISTOR MSB709-RT1		R0036	1-216-809-11	METAL CHIP 100 5%	1/10W
Q5509	8-729-010-29	TRANSISTOR MSD601-RST1		R0037	1-216-809-11	METAL CHIP 100 5%	1/10W
Q5519	8-729-010-29	TRANSISTOR MSD601-RST1		R0038	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
Q5550	8-729-010-29	TRANSISTOR MSD601-RST1		R0039	1-216-817-91	RES CHIP 470 5%	1/10W
< RESISTOR >				R0040	1-216-809-11	METAL CHIP 100 5%	1/10W
JR0002	1-216-864-11	SHORT CHIP 0		R0041	1-216-815-11	METAL CHIP 330 5%	1/10W
JR0003	1-216-864-11	SHORT CHIP 0		R0042	1-216-809-11	METAL CHIP 100 5%	1/10W
JR0004	1-216-864-11	SHORT CHIP 0		R0043	1-216-864-11	SHORT CHIP 0	
JR0008	1-216-864-11	SHORT CHIP 0		R0044	1-216-809-11	METAL CHIP 100 5%	1/10W
JR0010	1-216-864-11	SHORT CHIP 0		R0045	1-216-809-11	METAL CHIP 100 5%	1/10W
JR0011	1-216-864-11	SHORT CHIP 0		R0046	1-216-833-11	METAL CHIP 10K 5%	1/10W
JR3400	1-216-864-11	SHORT CHIP 0		R0047	1-216-809-11	METAL CHIP 100 5%	1/10W
JR3401	1-216-864-11	SHORT CHIP 0		R0048	1-216-809-11	METAL CHIP 100 5%	1/10W
JR3404	1-216-864-11	SHORT CHIP 0		R0049	1-216-809-11	METAL CHIP 100 5%	1/10W
JR3406	1-216-864-11	SHORT CHIP 0		R0052	1-216-809-11	METAL CHIP 100 5%	1/10W
JR3408	1-216-864-11	SHORT CHIP 0		R0053	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
JR3409	1-216-864-11	SHORT CHIP 0		R0056	1-216-809-11	METAL CHIP 100 5%	1/10W
JR5581	1-414-760-21	FERRITE 0UH		R0057	1-216-809-11	METAL CHIP 100 5%	1/10W
R0001	1-216-833-11	METAL CHIP 10K 5%	1/10W	R0059	1-216-809-11	METAL CHIP 100 5%	1/10W
R0002	1-216-833-11	METAL CHIP 10K 5%	1/10W	R0060	1-216-809-11	METAL CHIP 100 5%	1/10W
R0003	1-216-833-11	METAL CHIP 10K 5%	1/10W	R0063	1-216-809-11	METAL CHIP 100 5%	1/10W
R0004	1-216-816-11	METAL CHIP 390 5%	1/10W	R0064	1-216-809-11	METAL CHIP 100 5%	1/10W
R0005	1-216-816-11	METAL CHIP 390 5%	1/10W	R0065	1-216-833-11	METAL CHIP 10K 5%	1/10W
R0006	1-216-816-11	METAL CHIP 390 5%	1/10W	R0066	1-216-833-11	METAL CHIP 10K 5%	1/10W
R0007	1-216-817-11	METAL CHIP 470 5%	1/10W	R0067	1-216-833-11	METAL CHIP 10K 5%	1/10W
R0008	1-216-817-11	METAL CHIP 470 5%	1/10W	R0068	1-216-833-11	METAL CHIP 10K 5%	1/10W
R0009	1-216-817-11	METAL CHIP 470 5%	1/10W	R0069	1-216-833-11	METAL CHIP 10K 5%	1/10W
R0011	1-216-864-11	SHORT CHIP 0		R0070	1-216-809-11	METAL CHIP 100 5%	1/10W
R0014	1-216-805-11	METAL CHIP 47 5%	1/10W	R0071	1-216-849-11	METAL CHIP 220K 5%	1/10W
R0015	1-216-805-11	METAL CHIP 47 5%	1/10W	R0072	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R0016	1-216-805-11	METAL CHIP 47 5%	1/10W	R0073	1-216-833-11	METAL CHIP 10K 5%	1/10W
R0018	1-216-864-11	SHORT CHIP 0		R0074	1-216-864-11	SHORT CHIP 0	
R0019	1-216-809-11	METAL CHIP 100 5%	1/10W	R0075	1-216-809-11	METAL CHIP 100 5%	1/10W
R0020	1-216-833-11	METAL CHIP 10K 5%	1/10W	R0076	1-216-864-11	SHORT CHIP 0	
R0021	1-216-809-11	METAL CHIP 100 5%	1/10W	R0079	1-216-864-11	SHORT CHIP 0	
R0022	1-216-864-11	SHORT CHIP 0		R0080	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R0023	1-216-833-11	METAL CHIP 10K 5%	1/10W	R0081	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
R0025	1-216-809-11	METAL CHIP 100 5%	1/10W	R0082	1-216-809-11	METAL CHIP 100 5%	1/10W
				R0083	1-216-809-11	METAL CHIP 100 5%	1/10W
				R0084	1-216-833-11	METAL CHIP 10K 5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R0085	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3408	1-216-797-11	METAL CHIP	10	5%	1/10W
R0086	1-216-809-11	METAL CHIP	100	5%	1/10W	R3409	1-216-864-11	SHORT CHIP	0		
R0087	1-216-809-11	METAL CHIP	100	5%	1/10W	R3410	1-216-797-11	METAL CHIP	10	5%	1/10W
R0088	1-216-809-11	METAL CHIP	100	5%	1/10W	R3412	1-216-864-11	SHORT CHIP	0		
R0089	1-216-827-91	RES CHIP	3.3K	5%	1/10W	R3413	1-216-864-11	SHORT CHIP	0		
R0092	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R3414	1-216-809-11	METAL CHIP	100	5%	1/10W
R0093	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3415	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R0095	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3416	1-218-837-11	METAL CHIP	390	0.5%	1/10W
R0099	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3417	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R0102	1-216-864-11	SHORT CHIP	0			R3419	1-216-817-11	METAL CHIP	470	5%	1/10W
R0108	1-216-864-11	SHORT CHIP	0			R3421	1-216-817-11	METAL CHIP	470	5%	1/10W
R0137	1-216-839-11	METAL CHIP	33K	5%	1/10W	R3422	1-216-809-11	METAL CHIP	100	5%	1/10W
R3100	1-216-864-11	SHORT CHIP	0			R3423	1-216-817-11	METAL CHIP	470	5%	1/10W
R3103	1-216-864-11	SHORT CHIP	0			R3427	1-216-820-11	METAL CHIP	820	5%	1/10W
R3104	1-216-864-11	SHORT CHIP	0			R3428	1-216-820-11	METAL CHIP	820	5%	1/10W
R3106	1-216-864-11	SHORT CHIP	0			R3429	1-216-820-11	METAL CHIP	820	5%	1/10W
R3108	1-216-864-11	SHORT CHIP	0			R3434	1-216-864-11	SHORT CHIP	0		
R3109	1-216-809-11	METAL CHIP	100	5%	1/10W	R3436	1-216-864-11	SHORT CHIP	0		
R3110	1-216-809-11	METAL CHIP	100	5%	1/10W	R3437	1-216-864-11	SHORT CHIP	0		
R3112	1-216-809-11	METAL CHIP	100	5%	1/10W	R3438	1-216-864-11	SHORT CHIP	0		
R3113	1-216-809-11	METAL CHIP	100	5%	1/10W	R3442	1-216-864-11	SHORT CHIP	0		
R3114	1-216-864-11	SHORT CHIP	0			R3443	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R3115	1-216-864-11	SHORT CHIP	0			R3444	1-216-809-11	METAL CHIP	100	5%	1/10W
R3117	1-216-864-11	SHORT CHIP	0			R3445	1-216-809-11	METAL CHIP	100	5%	1/10W
R3165	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3446	1-216-811-11	METAL CHIP	150	5%	1/10W
R3270	1-216-864-11	SHORT CHIP	0			R3450	1-218-837-11	METAL CHIP	390	0.5%	1/10W
R3271	1-216-864-11	SHORT CHIP	0			R3451	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3272	1-216-864-11	SHORT CHIP	0			R3452	1-216-817-11	METAL CHIP	470	5%	1/10W
R3300	1-216-809-11	METAL CHIP	100	5%	1/10W	R3471	1-216-809-11	METAL CHIP	100	5%	1/10W
R3301	1-216-809-11	METAL CHIP	100	5%	1/10W	R3800	1-216-864-11	SHORT CHIP	0		
R3302	1-216-864-11	SHORT CHIP	0			R3801	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3303	1-216-864-11	SHORT CHIP	0			R3802	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3306	1-216-864-11	SHORT CHIP	0			R3803	1-216-813-11	METAL CHIP	220	5%	1/10W
R3307	1-216-864-11	SHORT CHIP	0			R3804	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R3308	1-216-864-11	SHORT CHIP	0			R3806	1-216-864-11	SHORT CHIP	0		
R3311	1-216-864-11	SHORT CHIP	0			R3807	1-216-818-11	METAL CHIP	560	5%	1/10W
R3314	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3808	1-216-864-11	SHORT CHIP	0		
R3315	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3810	1-216-817-11	METAL CHIP	470	5%	1/10W
R3316	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3811	1-216-817-11	METAL CHIP	470	5%	1/10W
R3317	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3812	1-414-760-21	FERRITE	00H		
R3318	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3814	1-216-864-11	SHORT CHIP	0		
R3319	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3815	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3320	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3816	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R3321	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3817	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3327	1-216-817-11	METAL CHIP	470	5%	1/10W	R3818	1-216-813-11	METAL CHIP	220	5%	1/10W
R3400	1-216-864-11	SHORT CHIP	0			R3820	1-216-864-11	SHORT CHIP	0		
R3401	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3821	1-216-864-11	SHORT CHIP	0		
R3403	1-218-843-11	METAL CHIP	680	0.5%	1/10W	R3822	1-216-818-11	METAL CHIP	560	5%	1/10W
R3405	1-216-797-11	METAL CHIP	10	5%	1/10W	R3823	1-216-864-11	SHORT CHIP	0		
R3406	1-216-864-11	SHORT CHIP	0			R3825	1-216-817-11	METAL CHIP	470	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R3826	1-216-817-11	METAL CHIP	470	5%	1/10W	R5501	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3829	1-216-817-11	METAL CHIP	470	5%	1/10W	R5502	1-216-809-11	METAL CHIP	100	5%	1/10W
R3830	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5503	1-216-817-11	METAL CHIP	470	5%	1/10W
R3833	1-216-809-11	METAL CHIP	100	5%	1/10W	R5504	1-216-809-11	METAL CHIP	100	5%	1/10W
R3834	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5505	1-216-809-11	METAL CHIP	100	5%	1/10W
R3836	1-216-817-11	METAL CHIP	470	5%	1/10W	R5507	1-216-809-11	METAL CHIP	100	5%	1/10W
R3837	1-216-817-11	METAL CHIP	470	5%	1/10W	R5508	1-216-797-11	METAL CHIP	10	5%	1/10W
R3838	1-216-864-11	SHORT CHIP	0			R5510	1-216-809-11	METAL CHIP	100	5%	1/10W
R3839	1-216-817-11	METAL CHIP	470	5%	1/10W	R5511	1-216-809-11	METAL CHIP	100	5%	1/10W
R3840	1-216-864-11	SHORT CHIP	0			R5512	1-216-838-11	METAL CHIP	27K	5%	1/10W
R3841	1-216-817-11	METAL CHIP	470	5%	1/10W	R5513	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R3845	1-216-801-11	METAL CHIP	22	5%	1/10W	R5516	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3846	1-216-809-11	METAL CHIP	100	5%	1/10W	R5517	1-216-809-11	METAL CHIP	100	5%	1/10W
R3847	1-216-809-11	METAL CHIP	100	5%	1/10W	R5518	1-216-809-11	METAL CHIP	100	5%	1/10W
R3849	1-216-801-11	METAL CHIP	22	5%	1/10W	R5523	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R3850	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W	R5524	1-216-838-11	METAL CHIP	27K	5%	1/10W
R3851	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	R5526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3852	1-218-831-11	METAL CHIP	220	0.5%	1/10W	R5528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3853	1-216-809-11	METAL CHIP	100	5%	1/10W	R5529	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3854	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3855	1-218-839-11	METAL CHIP	470	0.5%	1/10W	R5539	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R3856	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5541	1-216-864-11	SHORT CHIP	0		
R3857	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R5543	1-216-838-11	METAL CHIP	27K	5%	1/10W
R3859	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5544	1-216-849-11	METAL CHIP	220K	5%	1/10W
R3860	1-216-813-11	METAL CHIP	220	5%	1/10W	R5545	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3861	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5548	1-216-809-11	METAL CHIP	100	5%	1/10W
R3862	1-216-809-11	METAL CHIP	100	5%	1/10W	R5549	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3863	1-216-864-11	SHORT CHIP	0			R5550	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3864	1-216-809-11	METAL CHIP	100	5%	1/10W	R5551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3865	1-216-864-11	SHORT CHIP	0			R5552	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3866	1-216-864-11	SHORT CHIP	0			R5555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3868	1-216-817-11	METAL CHIP	470	5%	1/10W	R5556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3869	1-216-864-11	SHORT CHIP	0			R5557	1-216-809-11	METAL CHIP	100	5%	1/10W
R3870	1-218-907-11	METAL CHIP	330K	0.5%	1/10W	R5558	1-216-809-11	METAL CHIP	100	5%	1/10W
R3871	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5559	1-216-864-11	SHORT CHIP	0		
R3874	1-216-819-11	METAL CHIP	680	5%	1/10W	R5560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3875	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5561	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3876	1-218-835-11	METAL CHIP	330	0.5%	1/10W	R5569	1-216-864-11	SHORT CHIP	0		
R3877	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R5576	1-216-864-11	SHORT CHIP	0		
R3878	1-216-813-11	METAL CHIP	220	5%	1/10W	R5577	1-216-864-11	SHORT CHIP	0		
R3879	1-216-809-11	METAL CHIP	100	5%	1/10W	R5578	1-216-864-11	SHORT CHIP	0		
R3881	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5579	1-216-864-11	SHORT CHIP	0		
R3882	1-216-809-11	METAL CHIP	100	5%	1/10W	R5580	1-216-864-11	SHORT CHIP	0		
R3883	1-216-809-11	METAL CHIP	100	5%	1/10W	< RESISTOR CHIP >					
R3884	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W	RB0030	1-233-576-11	RES, CHIP NETWORK	100		
R3888	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	RB0031	1-233-576-11	RES, CHIP NETWORK	100		
R3890	1-216-864-11	SHORT CHIP	0			RB0032	1-233-576-11	RES, CHIP NETWORK	100		
R3892	1-216-864-11	SHORT CHIP	0			RB0033	1-233-576-11	RES, CHIP NETWORK	100		
R3893	1-216-835-11	METAL CHIP	15K	5%	1/10W	RB0034	1-233-576-11	RES, CHIP NETWORK	100		
R3894	1-216-817-11	METAL CHIP	470	5%	1/10W						

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
RB0035	1-233-576-11	RES, CHIP NETWORK 100		C6811	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
RB0036	1-233-576-11	RES, CHIP NETWORK 100		C6812	1-130-495-00	MYLAR 0.1UF	5.00% 50V
RB0037	1-233-576-11	RES, CHIP NETWORK 100		C6813	1-126-947-11	ELECT 47UF	20.00% 35V
RB0038	1-233-576-11	RES, CHIP NETWORK 100		C6814	1-126-967-11	ELECT 47UF	20.00% 50V
RB0039	1-233-576-11	RES, CHIP NETWORK 100		C6815	1-162-115-00	CERAMIC 330PF	10.00% 1KV
RB0043	1-233-576-11	RES, CHIP NETWORK 100		C6816	1-137-192-91	FILM 0.33UF	5.00% 50V
RB0044	1-233-576-11	RES, CHIP NETWORK 100		C6817	1-136-165-00	FILM 0.1UF	5.00% 50V
RB0045	1-233-576-11	RES, CHIP NETWORK 100		C6818	1-162-115-00	CERAMIC 330PF	10.00% 1KV
RB0050	1-233-576-11	RES, CHIP NETWORK 100		C6819	1-165-953-11	FILM 47000PF	3% 800V
RB0051	1-233-576-11	RES, CHIP NETWORK 100		C6820	1-136-189-00	MYLAR 0.1UF	10.00% 250V
RB0052	1-233-576-11	RES, CHIP NETWORK 100		C6821	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB0053	1-233-576-11	RES, CHIP NETWORK 100		C6823	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB0054	1-233-576-11	RES, CHIP NETWORK 100		C6824	1-126-963-11	ELECT 4.7UF	20.00% 50V
RB0055	1-233-576-11	RES, CHIP NETWORK 100		C6825	1-126-969-11	ELECT 220UF	20.00% 50V
RB3100	1-234-523-21	RES, CHIP NETWORK 0 (3216)		C6826	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB3101	1-234-523-21	RES, CHIP NETWORK 0 (3216)		C6827	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
RB3800	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6828	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
RB3801	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6829	1-104-664-91	ELECT 47UF	20.00% 25V
RB3802	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6831	1-126-966-11	ELECT 33UF	20.00% 50V
RB3803	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6832	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
RB3804	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6833	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
RB3805	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6834	1-126-964-11	ELECT 10UF	20.00% 50V
RB3806	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6835	1-165-607-11	FILM 10000PF	3% 800V
RB3807	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6836	1-130-495-00	MYLAR 0.1UF	5.00% 50V
RB3808	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C6837	1-130-471-00	MYLAR 0.001UF	5.00% 50V
< CRYSTAL >				C6838	1-130-495-00	MYLAR 0.1UF	5.00% 50V
X0001	1-567-162-00	OSCILLATOR, CRYSTAL		C6839	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
X3100	1-781-946-21	VIBRATOR, CRYSTAL		C6840	1-165-319-11	CERAMIC CHIP 0.1UF	50V
X3300	1-781-946-21	VIBRATOR, CRYSTAL		C8900	1-162-129-00	CERAMIC 150PF	10.00% 2KV
X3400	1-795-058-21	VIBRATOR, CERAMIC		C8901	1-162-131-11	CERAMIC 220PF	10.00% 2KV
X3800	1-767-127-11	VIBRATOR, CERAMIC		C8902	1-129-898-00	FILM 0.0022UF	5.00% 630V
X3801	1-567-504-11	OSCILLATOR, CRYSTAL		C8903	1-107-635-11	ELECT 4.7UF	20.00% 160V
* A-1302-547-A D2 Board, Complete				C8904	1-137-150-11	FILM 0.01UF	5.00% 100V
4-382-854-01	SCREW (M3X8) , P, SW (+)			C8905	1-136-205-11	MYLAR 0.022UF	5.00% 630V
< CAPACITOR >				C8907	1-126-947-11	ELECT 47UF	20.00% 35V
C6800	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C8908	1-216-809-11	METAL CHIP 100	5% 1/10W
C6801	1-126-964-11	ELECT 10UF	20.00% 50V	< CONNECTOR >			
C6802	1-126-964-11	ELECT 10UF	20.00% 50V	CN6800	1-695-915-11	TAB (CONTACT)	
C6803	1-126-960-11	ELECT 1UF	20.00% 50V	CN6801	*1-564-510-11	PLUG, CONNECTOR 7P	
C6804	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	CN6802	1-817-917-11	HEADER ASSEMBLY FOR PCB	
C6805	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	CN6803	*1-564-510-11	PLUG, CONNECTOR 7P	
C6806	1-117-228-71	MYLAR 2.2UF	10.00% 450V	CN6804	1-695-915-11	TAB (CONTACT)	
C6807	1-128-551-11	ELECT 22UF	20.00% 63V	CN6805	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
C6808	1-126-964-11	ELECT 10UF	20.00% 50V	< DIODE >			
C6809	1-136-813-11	FILM 680PF	5.00% 100V	D6800	8-719-069-56	DIODE UDZSTE-176.2B	
C6810	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D6802	8-719-081-97	DIODE MMDL914T1	
				D6803	8-719-081-97	DIODE MMDL914T1	
				D6809	8-719-083-94	DIODE FUF4005	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D6814	8-719-063-73	DIODE D1NL20U-TR		Q6811	8-729-901-06	TRANSISTOR DTA144EK	
D6815	8-719-976-99	DIODE DTZ5.1B		Q6812	8-729-010-05	TRANSISTOR MSB709-RT1	
D6816	8-719-081-98	DIODE MM3Z6V8T1		Q6813	8-729-010-29	TRANSISTOR MSD601-RST1	
D6817	8-719-063-70	DIODE D1NL20U		Q8900	8-729-010-29	TRANSISTOR MSD601-RST1	
D6818	8-719-082-03	DIODE MM3Z15VT1		Q8901	6-550-700-01	TRANSISTOR STP5NK40Z (033Y)	
D6819	8-719-082-03	DIODE MM3Z15VT1		< RESISTOR >			
D6820	8-719-081-97	DIODE MMDL914T1		R6800	1-216-837-11	METAL CHIP 22K 5%	1/10W
D6821	8-719-083-66	DIODE UDZSTE-1718B		R6801	1-216-849-11	METAL CHIP 220K 5%	1/10W
D6822	8-719-081-97	DIODE MMDL914T1		R6802	1-216-841-11	METAL CHIP 47K 5%	1/10W
D6823	1-535-143-71	LEAD, JUMPER (7.5MM)		R6803	1-216-837-11	METAL CHIP 22K 5%	1/10W
D6824	8-719-081-97	DIODE MMDL914T1		R6804	1-247-843-11	CARBON 3.3K 5%	1/4W
D6825	8-719-081-97	DIODE MMDL914T1		R6805	1-218-875-11	METAL CHIP 15K 0.5%	1/10W
D6826	8-719-082-00	DIODE MM3Z4V7T1		R6807	1-218-845-11	METAL CHIP 820 0.5%	1/10W
D6827	1-216-864-11	SHORT CHIP 0		R6808	1-202-933-61	FUSIBLE 0.1 10%	1/2W
D8900	8-719-948-45	DIODE ERA22-08		R6809	1-218-874-11	METAL CHIP 13K 0.5%	1/10W
D8901	8-719-991-33	DIODE 1SS133T-77		R6810	1-218-869-11	METAL CHIP 8.2K 0.5%	1/10W
< FERRITE BEAD >				R6811	1-535-303-00	LEAD, JUMPER (5.0MM)	
FB6800	1-410-397-21	FERRITE 1.1UH		R6812	1-245-478-21	METAL 470K 1%	1/4W
FB8900	1-410-397-21	FERRITE 1.1UH		R6813	1-245-478-21	METAL 470K 1%	1/4W
< IC >				R6814	1-218-912-11	METAL CHIP 510K 0.5%	1/10W
IC6800	8-759-586-17	IC TL1431CZ-AP		R6815	1-216-864-11	SHORT CHIP 0	
IC6801	8-759-700-07	IC NJM2903M		R6816	1-218-839-11	METAL CHIP 470 0.5%	1/10W
IC6802	6-703-355-01	IC MCZ3001DA		R6817	1-249-393-11	CARBON 10 5%	1/4W
IC6803	8-759-198-31	IC UPC1093J-1-T		R6818	1-216-803-11	METAL CHIP 33 5%	1/10W
IC6804	8-759-701-01	IC NJM2904M		R6819	1-218-823-11	METAL CHIP 100 0.5%	1/10W
< COIL >				R6820	1-216-833-11	METAL CHIP 10K 5%	1/10W
L6800	1-428-950-31	INDUCTOR 125UH		R6821	1-216-837-11	METAL CHIP 22K 5%	1/10W
L6801	1-412-520-11	INDUCTOR 3.9UH		R6823	1-249-393-11	CARBON 10 5%	1/4W
L6802	1-412-520-11	INDUCTOR 3.9UH		R6824	1-218-897-11	METAL CHIP 120K 0.5%	1/10W
L8900	1-406-674-11	INDUCTOR 3.3MH		R6825	1-216-833-11	METAL CHIP 10K 5%	1/10W
< PHOTOCOUPLER >				R6826	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
PH6800	6-600-187-01	PHOTO COUPLER PC123Y22JOOF		R6829	1-245-494-21	METAL 2.2M 2%	1/4W
PH6801	6-600-187-01	PHOTO COUPLER PC123Y22JOOF		R6830	1-249-431-11	CARBON 15K 5%	1/4W
< TRANSISTOR >				R6832	1-245-494-21	METAL 2.2M 2%	1/4W
Q6800	8-729-010-29	TRANSISTOR MSD601-RST1		R6833	1-249-377-11	CARBON 0.47 5%	1/4W
Q6801	8-729-010-29	TRANSISTOR MSD601-RST1		R6834	1-243-979-21	METAL OXIDE 0.1 5%	2W
Q6802	6-550-526-11	TRANSISTOR 2SK2842 (LBS2SONY)		R6835	1-216-821-11	METAL CHIP 1K 5%	1/10W
Q6803	6-550-526-11	TRANSISTOR 2SK2842 (LBS2SONY)		R6836	1-216-864-11	SHORT CHIP 0	
Q6804	8-729-010-05	TRANSISTOR MSB709-RT1		R6837	1-249-419-11	CARBON 1.5K 5%	1/4W
Q6806	8-729-421-22	TRANSISTOR UN2211		R6838	1-260-095-11	CARBON 470 5%	1/2W
Q6807	8-729-010-05	TRANSISTOR MSB709-RT1		R6839	1-216-833-11	METAL CHIP 10K 5%	1/10W
Q6808	8-729-421-22	TRANSISTOR UN2211		R6840	1-218-847-11	METAL CHIP 1K 0.5%	1/10W
Q6809	8-729-010-05	TRANSISTOR MSB709-RT1		R6841	1-218-855-11	METAL CHIP 2.2K 0.5%	1/10W
Q6810	8-729-010-29	TRANSISTOR MSD601-RST1		R6842	1-218-857-11	METAL CHIP 2.7K 0.5%	1/10W
				R6843	1-216-863-11	METAL CHIP 3.3M 5%	1/10W
				R6844	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
				R6845	1-218-895-11	METAL CHIP 100K 0.5%	1/10W
				R6846	1-216-837-11	METAL CHIP 22K 5%	1/10W
				R6848	1-216-853-11	METAL CHIP 470K 5%	1/10W

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

D2

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REF.NO.	PART.NO	DESCRIPTION	REMARK		
R6849	1-216-834-11	METAL CHIP	12K	5%	1/10W
R6852	1-216-809-11	METAL CHIP	100	5%	1/10W
R6853	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6854	1-216-849-11	METAL CHIP	220K	5%	1/10W
R6855	1-216-797-11	METAL CHIP	10	5%	1/10W
R6857	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6858	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6859	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6861	1-215-485-00	METAL	470K	1%	1/4W
R6862	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6863	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R6865	1-249-411-11	CARBON	330	5%	1/4W
R6866	1-219-749-51	METAL	10K	5%	1/2W
R6867	1-215-485-00	METAL	470K	1%	1/4W
R6869	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R6870	1-219-750-91	METAL	22K	5%	1/2W
R6871	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6873	1-218-887-91	RES CHIP	47K	0.5%	1/10W
R6874	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R6875	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6877	1-215-433-00	METAL	3.3K	1%	1/4W
R6878	1-215-447-00	METAL	12K	1%	1/4W
R6879	1-215-447-00	METAL	12K	1%	1/4W
R6880	1-215-447-00	METAL	12K	1%	1/4W
R6881	1-215-447-00	METAL	12K	1%	1/4W
R6883	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6884	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8900	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R8901	1-260-123-11	CARBON	100K	5%	1/2W
R8902	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R8903	1-243-616-21	METAL OXIDE	6.8K	5%	3W
R8904	1-249-429-11	CARBON	10K	5%	1/4W
R8905	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R8906	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R8907	1-260-123-11	CARBON	100K	5%	1/2W
R8908	1-260-123-11	CARBON	100K	5%	1/2W
R8909	1-260-123-11	CARBON	100K	5%	1/2W
R8910	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R8911	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8912	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
< RESISTOR VARIABLE >					
RV6801	7-320-000-92	RESIN (RTV-133)			
< SPARK GAP >					
SG6800	1-517-499-21	GAP, SPARK			

REF.NO.	PART.NO	DESCRIPTION			REMARK	
< TRANSFORMER >						
T6800	△	1-453-444-21	TRANSFORMER ASSY, FLYBACK NX-6020//Z214			
T8900		1-437-690-11	TRANSFORMER, FERRITE (DFT)			
* A-1302-548-A G Board, Complete						
		4-382-854-01	SCREW (M3X8) , P, SW (+)			
< CAPACITOR >						
C6001	△	1-165-528-11	MYLAR	0.1UF	10	275V
C6002	△	1-165-528-11	MYLAR	0.1UF	10	275V
C6003	△	1-119-900-51	CERAMIC	2200PF	20.00%	250V
C6004	△	1-119-900-51	CERAMIC	2200PF	20.00%	250V
C6005		1-126-965-91	ELECT	22UF	20.00%	50V
C6006		1-117-753-11	ELECT (BLOCK)	470UF	20.00%	450V
C6007		1-126-964-11	ELECT	10UF	20.00%	50V
C6008		1-126-963-11	ELECT	4.7UF	20.00%	50V
C6010		1-136-165-00	FILM	0.1UF	5.00%	50V
C6011		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6012	△	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV
C6013	△	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV
C6015		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6016	△	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV
C6017	△	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV
C6018		1-126-949-11	ELECT	220UF	20.00%	35V
C6019		1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50V
C6020		1-100-311-11	FILM	22000PF	3%	800V
C6021		1-164-625-11	CERAMIC	680PF	10.00%	500V
C6022		1-126-963-11	ELECT	4.7UF	20.00%	50V
C6023		1-110-626-11	ELECT	330UF	20.00%	160V
C6028		1-128-548-11	ELECT	4700UF	20.00%	25V
C6029		1-126-939-11	ELECT	10000UF	20.00%	16V
C6030		1-126-944-11	ELECT	3300UF	20.00%	25V
C6031		1-126-944-11	ELECT	3300UF	20.00%	25V
C6032	△	1-113-927-11	CERAMIC	0.01UF		250V
C6033		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6034		1-126-949-11	ELECT	220UF	20.00%	35V
C6035		1-136-165-00	FILM	0.1UF	5.00%	50V
C6036		1-136-479-11	FILM	0.001UF	5.00%	100V
C6037		1-126-947-11	ELECT	47UF	20.00%	35V
C6038		1-164-625-11	CERAMIC	680PF	10.00%	500V
C6039		1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6040		1-127-715-91	CERAMIC CHIP	0.22UF	10%	16V
C6042		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6043		1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6045		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6103		1-119-940-51	ELECT	4700UF	20.00%	50V

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< CONNECTOR >				L6009	1-414-181-11	INDUCTOR	4.7UH
CN6001	Δ *1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P		L6014	1-414-189-31	INDUCTOR	100UH
CN6002	Δ *1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		< PHOTOCOUPLER >			
CN6003	Δ *1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		PH6001	Δ 6-600-187-01	PHOTO COUPLER	PC123Y22JOOF
CN6004	Δ *1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P		< TRANSISTOR >			
CN6005	*1-817-037-61	PLUG CONNECTOR 6P		Q6003	8-729-010-29	TRANSISTOR MSD601-RST1	
CN6006	*1-564-510-11	PLUG, CONNECTOR 7P		Q6005	8-729-901-06	TRANSISTOR DTA144EK	
CN6007	1-817-917-11	HEADER ASSEMBLY FOR PCB		Q6006	6-550-698-01	TRANSISTOR SPA08N50C3-E8152	
CN6008	*1-816-977-51	PLUG, CONNECTOR 6P		Q6007	6-550-698-01	TRANSISTOR SPA08N50C3-E8152	
CN6012	*1-564-510-11	PLUG, CONNECTOR 7P		Q6010	8-729-010-29	TRANSISTOR MSD601-RST1	
< DIODE >				Q6102	8-729-010-29	TRANSISTOR MSD601-RST1	
D6001	6-500-067-01	DIODE GSIB460L/45		< RESISTOR >			
D6002	8-719-982-26	DIODE MTZJ-33B		JR6007	1-216-864-11	SHORT CHIP	0
D6004	8-719-083-94	DIODE FUF4005		R6003	Δ 1-202-933-61	FUSIBLE	0.1 10% 1/2W
D6006	8-719-081-97	DIODE MMDL914T1		R6004	Δ 1-205-998-11	CEMENTED	1 5% 10W
D6007	8-719-081-97	DIODE MMDL914T1		R6005	Δ 1-205-998-11	CEMENTED	1 5% 10W
D6008	6-500-175-01	DIODE 1E3-TB		R6007	1-243-979-21	METAL OXIDE	0.1 5% 2W
D6009	8-719-110-41	DIODE RD15ESB2		R6008	1-243-979-21	METAL OXIDE	0.1 5% 2W
D6012	8-719-052-90	DIODE D1NL40-TA2		R6009	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
D6013	6-500-175-01	DIODE 1E3-TB		R6010	1-245-478-21	METAL	470K 1% 1/4W
D6016	8-719-060-88	DIODE D4SBS6		R6011	1-245-494-21	METAL	2.2M 2% 1/4W
D6017	8-719-052-90	DIODE D1NL40-TA2		R6012	1-245-494-21	METAL	2.2M 2% 1/4W
D6031	8-719-080-59	DIODE EK19-V0		R6013	Δ 1-218-265-11	METAL	8.2M 5% 1W
D6032	8-719-080-59	DIODE EK19-V0		R6014	1-243-624-21	METAL OXIDE	33K 5% 3W
D6033	8-719-312-92	DIODE RK14V1		R6015	1-211-992-11	METAL CHIP	91 0.5% 1/10W
D6034	8-719-312-92	DIODE RK14V1		R6016	1-216-821-11	METAL CHIP	1K 5% 1/10W
D6036	8-719-080-59	DIODE EK19-V0		R6017	1-216-833-11	METAL CHIP	10K 5% 1/10W
D6102	8-719-511-40	DIODE S1VB40		R6018	1-260-131-11	CARBON	470K 5% 1/2W
D6104	8-719-081-97	DIODE MMDL914T1		R6019	1-260-129-11	CARBON	330K 5% 1/2W
D6105	8-719-081-97	DIODE MMDL914T1		R6020	1-216-820-11	METAL CHIP	820 5% 1/10W
< FERRITE BEAD >				R6021	1-243-946-21	METAL OXIDE	0.27 5% 2W
FB6002	1-410-397-21	FERRITE	1.1UH	R6022	1-216-833-11	METAL CHIP	10K 5% 1/10W
FB6003	1-410-397-21	FERRITE	1.1UH	R6024	1-211-981-11	METAL CHIP	33 0.5% 1/10W
< IC >				R6029	1-216-833-11	METAL CHIP	10K 5% 1/10W
IC6001	8-759-670-30	IC MC23001D		R6030	1-216-817-11	METAL CHIP	470 5% 1/10W
IC6003	8-749-016-19	IC SE135N-LF4		R6032	1-249-417-11	CARBON	1K 5% 1/4W
< COIL >				R6033	1-245-478-21	METAL	470K 1% 1/4W
L6001	1-406-663-21	INDUCTOR	47UH	R6035	1-260-083-11	CARBON	47 5% 1/2W
L6002	1-412-521-31	INDUCTOR	4.7UH	R6036	1-216-817-11	METAL CHIP	470 5% 1/10W
L6003	1-412-521-31	INDUCTOR	4.7UH	R6037	1-249-405-91	CARBON	100 5% 1/4W
L6004	1-535-303-00	LEAD, JUMPER (5.0MM)		R6038	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
L6005	1-535-303-00	LEAD, JUMPER (5.0MM)		R6039	1-218-895-11	METAL CHIP	100K 0.5% 1/10W
L6006	1-406-659-11	INDUCTOR	10UH	R6040	1-218-879-11	METAL CHIP	22K 0.5% 1/10W
L6007	1-412-525-31	INDUCTOR	10UH	R6045	1-216-815-11	METAL CHIP	330 5% 1/10W
L6008	1-412-533-21	INDUCTOR	47UH	R6047	1-218-885-11	METAL CHIP	39K 0.5% 1/10W

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G

H1

C

REF.NO.	PART.NO	DESCRIPTION	REMARK
R6049	1-218-869-11	METAL CHIP	8.2K 0.5% 1/10W
R6050	1-218-823-11	METAL CHIP	100 0.5% 1/10W
R6054	1-211-981-11	METAL CHIP	33 0.5% 1/10W
R6057	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6101	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6102	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R6105	1-216-821-11	METAL CHIP	1K 5% 1/10W
R6106	1-216-829-11	METAL CHIP	4.7K 5% 1/10W

< RELAY >

RY6001	Δ 1-755-388-11	RELAY (AC POWER)
RY6002	Δ 1-755-388-11	RELAY (AC POWER)

< TRANSFORMER >

T6001	Δ 1-428-896-11	COIL, LINE FILTER
T6002	Δ 1-443-059-11	TRANSFORMER, CONVERTER (PIT)
T6003	Δ 1-428-896-11	COIL, LINE FILTER
T6101	Δ 1-443-114-11	TRANSFORMER, STANDBY

< THERMISTOR >

TH6002	1-804-650-11	THERMISTOR, POSITIVE
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*** A-1405-609-A H1 Board, Complete**

< CAPACITOR >

C2904	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C2906	1-126-960-11	ELECT	1UF	20.00%	50V
C2907	1-126-960-11	ELECT	1UF	20.00%	50V
C2931	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V

< CONNECTOR >

CN2900	1-779-947-11	TERMINAL BLOCK, S
CN2911	*1-564-511-11	PLUG, CONNECTOR 8P
CN2912	*1-564-510-11	PLUG, CONNECTOR 7P

< DIODE >

D0901	8-719-109-89	DIODE RD5.6ESB2
D0908	8-719-109-89	DIODE RD5.6ESB2

< SOCKET >

J2901	1-817-763-11	JACK
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< RESISTOR >

R0901	1-216-864-11	SHORT CHIP	0
R0902	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R0911	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R0912	1-216-864-11	SHORT CHIP	0
R0913	1-216-833-11	METAL CHIP	10K 5% 1/10W
R0914	1-216-833-11	METAL CHIP	10K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
R2901	1-249-406-11	CARBON	120 5% 1/4W
R2902	1-249-406-11	CARBON	120 5% 1/4W
R2903	1-249-406-11	CARBON	120 5% 1/4W
R2904	1-249-406-11	CARBON	120 5% 1/4W
R2909	1-216-853-11	METAL CHIP	470K 5% 1/10W
R2910	1-216-853-11	METAL CHIP	470K 5% 1/10W
R2917	1-216-821-11	METAL CHIP	1K 5% 1/10W
R2918	1-216-821-11	METAL CHIP	1K 5% 1/10W

< SWITCH >

S0900	1-692-431-21	SWITCH, TACTILE
S0901	1-692-431-21	SWITCH, TACTILE
S0902	1-692-431-21	SWITCH, TACTILE
S0903	1-692-431-21	SWITCH, TACTILE
S0904	1-692-431-21	SWITCH, TACTILE
S0905	1-692-431-21	SWITCH, TACTILE

*** A-1405-610-A C Board, Complete**

4-382-854-01	SCREW (M3X8), P, SW (+)
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< CAPACITOR >

C7300	1-136-189-00	MYLAR	0.1UF	10.00%	250V
C7302	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C7303	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
C7306	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C7310	1-136-189-00	MYLAR	0.1UF	10.00%	250V
C7312	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C7313	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
C7316	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C7320	1-136-189-00	MYLAR	0.1UF	10.00%	250V
C7321	1-107-652-11	ELECT	10UF	20.00%	250V
C7322	1-164-156-11	CERAMIC CHIP	0.1UF		25V
C7323	1-162-921-11	CERAMIC CHIP	33PF	5.00%	50V
C7326	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
C7330	1-162-927-11	CERAMIC CHIP	100PF	5.00%	50V
C7331	1-126-947-11	ELECT	47UF	20.00%	35V
C7332	1-126-947-11	ELECT	47UF	20.00%	35V
C7333	1-107-652-11	ELECT	10UF	20.00%	250V
C7334	1-107-649-11	ELECT	2.2UF	20.00%	250V
C7335	1-119-894-51	CERAMIC	2200PF	20.00%	250V
C7336	1-115-350-51	CERAMIC	0.0047UF		2KV

< CONNECTOR >

CN7330	*1-564-508-11	PLUG, CONNECTOR 5P
CN7331	*1-564-512-11	PLUG, CONNECTOR 9P
CN7332	1-695-915-11	TAB (CONTACT)
CN7333	1-695-915-11	TAB (CONTACT)

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

C

F1

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< DIODE >				R7304	1-216-813-11	METAL CHIP	220 5% 1/10W
D7300	8-719-901-83	DIODE 1SS83		R7306	1-216-864-11	SHORT CHIP	0
D7301	8-719-901-83	DIODE 1SS83		R7307	1-247-807-31	CARBON	100 5% 1/4W
D7302	8-719-991-33	DIODE 1SS133T-77		R7308	1-202-557-00	SOLID	220 20% 1/2W
D7310	8-719-901-83	DIODE 1SS83		R7310	1-216-821-11	METAL CHIP	1K 5% 1/10W
D7311	8-719-901-83	DIODE 1SS83		R7311	1-216-813-11	METAL CHIP	220 5% 1/10W
D7312	8-719-991-33	DIODE 1SS133T-77		R7312	1-216-814-11	METAL CHIP	270 5% 1/10W
D7320	8-719-901-83	DIODE 1SS83		R7313	1-216-813-11	METAL CHIP	220 5% 1/10W
D7321	8-719-901-83	DIODE 1SS83		R7314	1-216-813-11	METAL CHIP	220 5% 1/10W
D7322	8-719-991-33	DIODE 1SS133T-77		R7316	1-216-864-11	SHORT CHIP	0
D7330	8-719-109-68	DIODE RD3.6ESB1		R7317	1-247-807-31	CARBON	100 5% 1/4W
D7331	8-719-901-83	DIODE 1SS83		R7318	1-202-557-00	SOLID	220 20% 1/2W
< IC >				R7320	1-216-821-11	METAL CHIP	1K 5% 1/10W
IC7300	6-704-806-01	IC TDA6118JF		R7321	1-216-813-11	METAL CHIP	220 5% 1/10W
IC7310	6-704-806-01	IC TDA6118JF		R7322	1-216-814-11	METAL CHIP	270 5% 1/10W
IC7320	6-704-806-01	IC TDA6118JF		R7323	1-216-813-11	METAL CHIP	220 5% 1/10W
< SOCKET >				R7324	1-216-813-11	METAL CHIP	220 5% 1/10W
J7330 Δ	1-451-544-11	SOCKET, CRT		R7326	1-216-864-11	SHORT CHIP	0
< COIL >				R7327	1-247-807-31	CARBON	100 5% 1/4W
L7330	1-414-928-21	INDUCTOR	1UH	R7328	1-202-557-00	SOLID	220 20% 1/2W
L7331	1-414-928-21	INDUCTOR	1UH	R7330	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
< PROTECTOR MODULE >				R7331	1-247-903-00	CARBON	1M 5% 1/4W
PS7332 Δ	1-532-637-00	IC LINK	1A 50V	R7333	1-249-417-11	CARBON	1K 5% 1/4W
< TRANSISTOR >				R7334	1-249-417-11	CARBON	1K 5% 1/4W
Q7300	8-729-025-25	TRANSISTOR BF550		R7335	1-247-735-11	CARBON	47 5% 1/2W
Q7301	8-729-010-29	TRANSISTOR MSD601-RST1		R7336	1-202-549-00	SOLID	100 20% 1/2W
Q7302	8-729-200-17	TRANSISTOR 2SA1091-0		R7337	1-202-549-00	SOLID	100 20% 1/2W
Q7310	8-729-025-25	TRANSISTOR BF550		R7340	1-216-826-11	METAL CHIP	2.7K 5% 1/10W
Q7311	8-729-010-29	TRANSISTOR MSD601-RST1		R7350	1-216-826-11	METAL CHIP	2.7K 5% 1/10W
Q7312	8-729-200-17	TRANSISTOR 2SA1091-0		R7360	1-216-826-11	METAL CHIP	2.7K 5% 1/10W
Q7320	8-729-025-25	TRANSISTOR BF550		< RESISTOR VARIABLE >			
Q7321	8-729-010-29	TRANSISTOR MSD601-RST1		RV7330	1-241-656-11	RES, ADJ, METAL FILM 110M	
Q7322	8-729-200-17	TRANSISTOR 2SA1091-0		* A-1405-611-A F1 Board, Complete			
Q7330	8-729-010-05	TRANSISTOR MSB709-RT1		4-206-220-01	HOLDER, LED		
< RESISTOR >				< CAPACITOR >			
JR7303	1-216-864-11	SHORT CHIP	0	C0982	1-104-665-11	ELECT	100UF 20.00% 25V
JR7313	1-216-864-11	SHORT CHIP	0	C0983	1-102-114-00	CERAMIC	470PF 10.00% 50V
JR7323	1-216-864-11	SHORT CHIP	0	C0984	1-102-129-00	CERAMIC	0.01UF 10.00% 50V
R7300	1-216-821-11	METAL CHIP	1K 5% 1/10W	C6400	1-113-924-11	CERAMIC	0.0047UF 20.00% 250V
R7301	1-216-813-11	METAL CHIP	220 5% 1/10W	< CONNECTOR >			
R7302	1-216-814-11	METAL CHIP	270 5% 1/10W	CN0981	*1-564-507-11	PLUG, CONNECTOR 4P	
R7303	1-216-813-11	METAL CHIP	220 5% 1/10W	CN6400 Δ	*1-580-843-11	PIN, CONNECTOR (POWER)	
				CN6401 Δ	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
				CN6403	1-695-915-11	TAB (CONTACT)	

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
< DIODE >				C2636	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
D0981	8-719-109-89	DIODE RD5.6ESB2		C2637	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
D0983	8-719-082-12	DIODE TLHK5190		C2638	1-126-947-11	ELECT 47UF	20.00% 35V
< FUSE >				C2639	1-126-947-11	ELECT 47UF	20.00% 35V
F6400 Δ	1-576-232-12	FUSE 5A 250V		C2655	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
FH6400 Δ	1-533-725-11	FUSE HOLDER 0A 0V		C2656	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
< IC >				C2657	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V
IC0981	6-704-532-01	IC RPM7240-H5		C2658	1-164-156-11	CERAMIC CHIP 0.1UF	25V
< RESISTOR >				C2659	1-126-964-11	ELECT 10UF	20.00% 50V
R0982	1-247-807-31	CARBON 100 5% 1/4W		C2660	1-126-947-11	ELECT 47UF	20.00% 35V
R6400 Δ	1-202-719-00	SOLID 1M 10% 1/2W		C3608	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
< SWITCH >				C3609	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
S6400 Δ	1-571-433-21	SWITCH, PUSH (AC POWER)		C3610	1-126-947-11	ELECT 47UF	20.00% 35V
< VARISTOR >				C3616	1-164-156-11	CERAMIC CHIP 0.1UF	25V
VD6400 Δ	1-804-995-11	VARISTOR		C3617	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
* A-1405-623-A J Board, Complete				C3618	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
< CAPACITOR >				C3619	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2604	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C3620	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2605	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C3621	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2606	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C3622	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2607	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C3623	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2608	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3624	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2609	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3625	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2610	1-126-947-11	ELECT 47UF	20.00% 35V	C3626	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2611	1-126-947-11	ELECT 47UF	20.00% 35V	C3627	1-126-964-11	ELECT 10UF	20.00% 50V
C2612	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V	C3631	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2613	1-125-837-91	CERAMIC CHIP 1UF	10% 6.3V	C3632	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2614	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3633	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2615	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C3634	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2620	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C3636	1-126-947-11	ELECT 47UF	20.00% 35V
C2621	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C3641	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2622	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C3642	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2623	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C3643	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2624	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3644	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2625	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3645	1-126-947-11	ELECT 47UF	20.00% 35V
C2626	1-126-947-11	ELECT 47UF	20.00% 35V	C3646	1-126-947-11	ELECT 47UF	20.00% 35V
C2627	1-126-947-11	ELECT 47UF	20.00% 35V	C3647	1-126-947-11	ELECT 47UF	20.00% 35V
C2632	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C3648	1-126-947-11	ELECT 47UF	20.00% 35V
C2633	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	< CONNECTOR >			
C2634	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	CN3600	*1-564-523-11	PLUG, CONNECTOR 8P	
C2635	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	CN3601	1-695-549-11	SOCKET, PIN 21P	
< DIODE >				CN3602	1-695-549-11	SOCKET, PIN 21P	
D0600	8-719-069-55	DIODE UDZSTE-175.6B		CN3603	1-695-549-11	SOCKET, PIN 21P	
D2600	8-719-069-60	DIODE UDZSTE-179.1B		CN3604	1-817-114-11	CONNECTOR, BOARD TO BOARD 35P	
D2601	8-719-069-60	DIODE UDZSTE-179.1B		< DIODE >			
D2602	8-719-069-60	DIODE UDZSTE-179.1B		D0600	8-719-069-55	DIODE UDZSTE-175.6B	
				D2600	8-719-069-60	DIODE UDZSTE-179.1B	
				D2601	8-719-069-60	DIODE UDZSTE-179.1B	
				D2602	8-719-069-60	DIODE UDZSTE-179.1B	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D2603	8-719-069-60	DIODE UDZSTE-179.1B		JR2617	1-216-864-11	SHORT CHIP	0
D2604	8-719-069-60	DIODE UDZSTE-179.1B		JR2618	1-216-864-11	SHORT CHIP	0
D2605	8-719-069-60	DIODE UDZSTE-179.1B		JR2628	1-216-864-11	SHORT CHIP	0
D2606	8-719-069-60	DIODE UDZSTE-179.1B					
D2607	8-719-069-60	DIODE UDZSTE-179.1B		R0800	1-216-809-11	METAL CHIP	100 5% 1/10W
				R0801	1-216-809-11	METAL CHIP	100 5% 1/10W
D2608	8-719-069-60	DIODE UDZSTE-179.1B		R0802	1-216-025-11	RES-CHIP	100 5% 1/10W
D2609	8-719-069-60	DIODE UDZSTE-179.1B		R2600	1-216-815-11	METAL CHIP	330 5% 1/10W
D2610	8-719-069-60	DIODE UDZSTE-179.1B		R2601	1-216-049-11	RES-CHIP	1K 5% 1/10W
D2611	8-719-069-60	DIODE UDZSTE-179.1B					
D3602	8-719-069-60	DIODE UDZSTE-179.1B		R2602	1-216-815-11	METAL CHIP	330 5% 1/10W
				R2603	1-216-049-11	RES-CHIP	1K 5% 1/10W
D3606	8-719-069-60	DIODE UDZSTE-179.1B		R2604	1-216-813-11	METAL CHIP	220 5% 1/10W
D3614	8-719-083-63	DIODE UDZSTE-1713B		R2605	1-216-864-11	SHORT CHIP	0
D3615	8-719-069-60	DIODE UDZSTE-179.1B		R2606	1-216-813-11	METAL CHIP	220 5% 1/10W
D3616	8-719-069-60	DIODE UDZSTE-179.1B					
D3617	8-719-069-60	DIODE UDZSTE-179.1B		R2607	1-216-864-11	SHORT CHIP	0
				R2608	1-216-853-11	METAL CHIP	470K 5% 1/10W
D3621	8-719-083-63	DIODE UDZSTE-1713B		R2609	1-216-853-11	METAL CHIP	470K 5% 1/10W
D3622	8-719-069-55	DIODE UDZSTE-175.6B		R2610	1-216-853-11	METAL CHIP	470K 5% 1/10W
D3623	8-719-069-60	DIODE UDZSTE-179.1B		R2611	1-216-853-11	METAL CHIP	470K 5% 1/10W
D3624	8-719-069-60	DIODE UDZSTE-179.1B					
D3626	8-719-069-60	DIODE UDZSTE-179.1B		R2612	1-216-813-11	METAL CHIP	220 5% 1/10W
				R2613	1-216-813-11	METAL CHIP	220 5% 1/10W
D3627	8-719-083-63	DIODE UDZSTE-1713B		R2614	1-216-864-11	SHORT CHIP	0
D3628	8-719-083-63	DIODE UDZSTE-1713B		R2615	1-216-864-11	SHORT CHIP	0
D3629	8-719-069-60	DIODE UDZSTE-179.1B		R2616	1-216-864-11	SHORT CHIP	0
D3630	8-719-069-60	DIODE UDZSTE-179.1B					
D3631	8-719-069-55	DIODE UDZSTE-175.6B		R2617	1-216-821-11	METAL CHIP	1K 5% 1/10W
				R2618	1-216-864-11	SHORT CHIP	0
D3632	8-719-069-60	DIODE UDZSTE-179.1B		R2619	1-216-821-11	METAL CHIP	1K 5% 1/10W
D3633	8-719-069-60	DIODE UDZSTE-179.1B		R2620	1-216-837-11	METAL CHIP	22K 5% 1/10W
D3634	8-719-069-60	DIODE UDZSTE-179.1B		R2621	1-216-837-11	METAL CHIP	22K 5% 1/10W
D3635	8-719-069-60	DIODE UDZSTE-179.1B					
	< IC >			R2622	1-216-837-11	METAL CHIP	22K 5% 1/10W
IC3600	8-752-096-83	IC CXA2149AQ-TL		R2623	1-216-837-11	METAL CHIP	22K 5% 1/10W
	< COIL >			R2624	1-216-815-11	METAL CHIP	330 5% 1/10W
L2602	1-414-928-21	INDUCTOR	1UH	R2625	1-216-049-11	RES-CHIP	1K 5% 1/10W
L3611	1-414-928-21	INDUCTOR	1UH	R2626	1-216-815-11	METAL CHIP	330 5% 1/10W
L3612	1-414-928-21	INDUCTOR	1UH				
L3614	1-414-928-21	INDUCTOR	1UH	R2627	1-216-049-11	RES-CHIP	1K 5% 1/10W
	< TRANSISTOR >			R2628	1-216-864-11	SHORT CHIP	0
Q2602	8-729-010-29	TRANSISTOR MSD601-RST1		R2630	1-216-864-11	SHORT CHIP	0
Q2603	8-729-010-29	TRANSISTOR MSD601-RST1		R2632	1-216-853-11	METAL CHIP	470K 5% 1/10W
Q2604	8-729-010-29	TRANSISTOR MSD601-RST1		R2633	1-216-853-11	METAL CHIP	470K 5% 1/10W
Q3656	8-729-010-29	TRANSISTOR MSD601-RST1					
Q3657	8-729-010-29	TRANSISTOR MSD601-RST1		R2634	1-216-853-11	METAL CHIP	470K 5% 1/10W
				R2635	1-216-853-11	METAL CHIP	470K 5% 1/10W
Q3658	8-729-010-29	TRANSISTOR MSD601-RST1		R2636	1-216-815-11	METAL CHIP	330 5% 1/10W
				R2637	1-216-049-11	RES-CHIP	1K 5% 1/10W
				R2638	1-216-815-11	METAL CHIP	330 5% 1/10W
				R2639	1-216-049-11	RES-CHIP	1K 5% 1/10W
				R2640	1-216-813-11	METAL CHIP	220 5% 1/10W
				R2642	1-216-813-11	METAL CHIP	220 5% 1/10W
				R2644	1-216-853-11	METAL CHIP	470K 5% 1/10W
				R2645	1-216-853-11	METAL CHIP	470K 5% 1/10W
	< RESISTOR >						
JR2616	1-216-864-11	SHORT CHIP	0	R2646	1-216-853-11	METAL CHIP	470K 5% 1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK			REF.NO.	PART.NO	DESCRIPTION	REMARK		
R2647	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3658	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2648	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3659	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2649	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3660	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2650	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3661	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3600	1-216-022-00	RES-CHIP	75	5%	1/10W	R3662	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3601	1-216-022-00	RES-CHIP	75	5%	1/10W	* A-1405-620-A VM Board, Complete					
R3602	1-216-022-00	RES-CHIP	75	5%	1/10W						
R3603	1-216-022-00	RES-CHIP	75	5%	1/10W	4-382-854-01	SCREW (M3X8), P, SW (+)				
R3604	1-216-022-00	RES-CHIP	75	5%	1/10W						
R3605	1-216-025-11	RES-CHIP	100	5%	1/10W	< CAPACITOR >					
R3607	1-216-025-11	RES-CHIP	100	5%	1/10W	C9401	1-126-947-11	ELECT	47UF	20.00%	35V
R3608	1-216-025-11	RES-CHIP	100	5%	1/10W	C9402	1-164-156-11	CERAMIC CHIP	0.1UF		25V
R3609	1-216-025-11	RES-CHIP	100	5%	1/10W	C9403	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
R3610	1-216-025-11	RES-CHIP	100	5%	1/10W	C9404	1-107-636-11	ELECT	10UF	20.00%	160V
R3611	1-216-022-00	RES-CHIP	75	5%	1/10W	C9406	1-161-830-00	CERAMIC	0.0047UF		500V
R3612	1-216-025-11	RES-CHIP	100	5%	1/10W	C9407	1-164-156-11	CERAMIC CHIP	0.1UF		25V
R3613	1-216-022-00	RES-CHIP	75	5%	1/10W	C9408	1-126-964-11	ELECT	10UF	20.00%	50V
R3614	1-216-025-11	RES-CHIP	100	5%	1/10W	C9409	1-107-636-11	ELECT	10UF	20.00%	160V
R3615	1-216-022-00	RES-CHIP	75	5%	1/10W	C9410	1-137-528-11	MYLAR	0.1UF	10.00%	250V
R3616	1-216-022-00	RES-CHIP	75	5%	1/10W	C9411	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
R3617	1-216-022-00	RES-CHIP	75	5%	1/10W	C9412	1-137-528-11	MYLAR	0.1UF	10.00%	250V
R3618	1-216-022-00	RES-CHIP	75	5%	1/10W	C9413	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
R3619	1-216-025-11	RES-CHIP	100	5%	1/10W	C9414	1-117-450-11	MYLAR	0.47UF	10.00%	250V
R3621	1-216-025-11	RES-CHIP	100	5%	1/10W	< CONNECTOR >					
R3622	1-216-025-11	RES-CHIP	100	5%	1/10W	CN9401	*1-564-510-11	PLUG, CONNECTOR 7P			
R3623	1-216-025-11	RES-CHIP	100	5%	1/10W	CN9402	*1-564-506-11	PLUG, CONNECTOR 3P			
R3624	1-216-022-00	RES-CHIP	75	5%	1/10W	CN9403	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P			
R3625	1-216-025-11	RES-CHIP	100	5%	1/10W	< COIL >					
R3626	1-216-022-00	RES-CHIP	75	5%	1/10W	L9401	1-414-928-21	INDUCTOR	1UH		
R3627	1-216-022-00	RES-CHIP	75	5%	1/10W	L9402	1-414-928-21	INDUCTOR	1UH		
R3628	1-216-022-00	RES-CHIP	75	5%	1/10W	< TRANSISTOR >					
R3629	1-216-022-00	RES-CHIP	75	5%	1/10W	Q9401	8-729-010-29	TRANSISTOR MSD601-RST1			
R3630	1-216-025-11	RES-CHIP	100	5%	1/10W	Q9402	8-729-010-29	TRANSISTOR MSD601-RST1			
R3631	1-216-809-11	METAL CHIP	100	5%	1/10W	Q9403	8-729-010-29	TRANSISTOR MSD601-RST1			
R3632	1-216-809-11	METAL CHIP	100	5%	1/10W	Q9404	8-729-010-05	TRANSISTOR MSB709-RT1			
R3634	1-216-022-00	RES-CHIP	75	5%	1/10W	Q9405	8-729-010-29	TRANSISTOR MSD601-RST1			
R3635	1-216-025-11	RES-CHIP	100	5%	1/10W	Q9406	8-729-010-05	TRANSISTOR MSB709-RT1			
R3636	1-216-025-11	RES-CHIP	100	5%	1/10W	Q9407	8-729-010-29	TRANSISTOR MSD601-RST1			
R3637	1-216-022-00	RES-CHIP	75	5%	1/10W	Q9408	8-729-010-05	TRANSISTOR MSB709-RT1			
R3638	1-216-025-11	RES-CHIP	100	5%	1/10W	Q9409	8-729-010-29	TRANSISTOR MSD601-RST1			
R3639	1-216-843-11	METAL CHIP	68K	5%	1/10W	Q9410	8-729-010-05	TRANSISTOR MSB709-RT1			
R3641	1-216-843-11	METAL CHIP	68K	5%	1/10W	Q9411	8-729-045-05	TRANSISTOR 2SA2005			
R3643	1-218-885-11	METAL CHIP	39K	0.5%	1/10W	Q9412	8-729-045-04	TRANSISTOR 2SC5511			
R3647	1-216-864-11	SHORT CHIP	0			Q9413	8-729-010-29	TRANSISTOR MSD601-RST1			
R3652	1-216-821-11	METAL CHIP	1K	5%	1/10W	Q9414	8-729-010-05	TRANSISTOR MSB709-RT1			
R3653	1-216-841-11	METAL CHIP	47K	5%	1/10W	< RESISTOR >					
R3654	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9401	1-249-381-11	CARRON	1	5%	1/4W
R3655	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R3656	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R3657	1-216-841-11	METAL CHIP	47K	5%	1/10W						

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART.NO	DESCRIPTION	REMARK		
R9402	1-216-820-11	METAL CHIP	820	5%	1/10W
R9403	1-216-819-11	METAL CHIP	680	5%	1/10W
R9404	1-216-834-11	METAL CHIP	12K	5%	1/10W
R9405	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9406	1-216-805-11	METAL CHIP	47	5%	1/10W
R9408	1-216-815-11	METAL CHIP	330	5%	1/10W
R9409	1-216-805-11	METAL CHIP	47	5%	1/10W
R9410	1-216-805-11	METAL CHIP	47	5%	1/10W
R9411	1-249-393-11	CARBON	10	5%	1/4W
R9412	1-249-393-11	CARBON	10	5%	1/4W
R9413	1-249-393-11	CARBON	10	5%	1/4W
R9414	1-249-393-11	CARBON	10	5%	1/4W
R9415	1-249-393-11	CARBON	10	5%	1/4W
R9416	1-249-393-11	CARBON	10	5%	1/4W
R9417	1-249-393-11	CARBON	10	5%	1/4W
R9418	1-249-393-11	CARBON	10	5%	1/4W
R9419	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9420	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9421	1-216-801-11	METAL CHIP	22	5%	1/10W
R9422	1-216-801-11	METAL CHIP	22	5%	1/10W
R9423	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9424	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9425	1-243-572-21	METAL OXIDE	470	5%	2W
R9426	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9427	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9429	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9430	1-216-809-11	METAL CHIP	100	5%	1/10W
R9431	1-216-809-11	METAL CHIP	100	5%	1/10W
R9432	1-216-817-11	METAL CHIP	470	5%	1/10W
R9433	1-216-817-11	METAL CHIP	470	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION	REMARK
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MISCELLANEOUS

Δ	1-571-433-21	SWITCH, PUSH (AC POWER)
Δ	1-823-853-11	CORD, POWER
	1-424-855-11	COIL, CHOKE 29MMH
	8-598-533-10	FRONT END BTF-EC411
Δ	1-453-444-21	TRANSFORMER ASSY, FLYBACK (NX-6020//Z214)
	1-529-408-11	SPEAKER (4.2X24CM)
	1-529-417-11	SPEAKER (8CM)
Δ	1-451-504-71	DEFLECTION YOKE (Y29RSC-L)
	1-452-896-11	COIL, NA ROTATION (RT200)
Δ	8-453-011-11	NECK ASSY, (NA299-M)
Δ	1-424-888-11	COIL, DEGAUSSING
Δ	1-251-946-11	CAP ASSY, HIGH-VOLTAGE
Δ	8-735-097-05	PICTURE TUBE (M68LNH060X)
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM \emptyset
	1-425-032-00	MAGNET, DISK; 10MM \emptyset

ACCESSORIES AND PACKAGING MATERIALS

*4-029-168-01	BAG, PROTECTION
*4-095-400-01	INDIVIDUAL CARTON
*4-095-663-21	CUSHION, CRUSHED HONEYCOMB
*4-095-663-31	CUSHION, CRUSHED HONEYCOMB
*4-095-957-01	PAPER CUSHION
4-095-508-11	INSTRUCTION MANUAL (KV-29FQ85E) (GERMAN/GREEK/TURKISH)
4-095-508-21	INSTRUCTION MANUAL (KV-29FQ85E) (ENGLISH/GERMAN/FRENCH/ITALIAN)
4-095-508-31	INSTRUCTION MANUAL (KV-29FQ85E) (DANISH/SPANISH/FINNISH/NORWEGIAN/ PORTUGUESE/SWEDISH)
4-095-508-41	INSTRUCTION MANUAL (KV-29FQ85K) (ENGLISH/BULGARIAN/CZECH/HUNGARIAN/POLISH/ RUSSIAN)

REMOTE COMMANDER

1-478-230-11	REMOTE COMMANDER (RM-943)
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TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I²C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

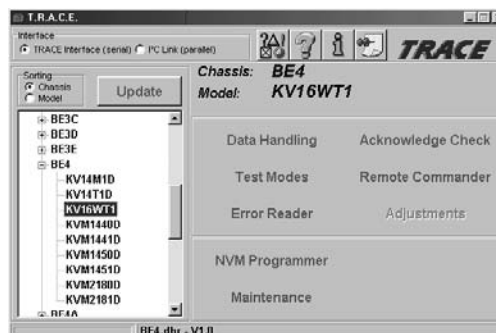
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I²C bus
- Acknowledge check of all I²C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing I²C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers:	TRACE Starter Kit (TRACE interface + software):	9-948-320-70
	TRACE Software (for users of the I ² C Link interface):	9-948-340-80
	TRACE IR Add-on (IR interface + Remote Commander software):	9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface

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